

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2018 Levee Inspection Results

Reclamation District No. 0003 Grand Island

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) | | | | |

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Reclamation District No. 0003 Grand Island

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Left Bank Steamboat Slough | | | Left | 10.95 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 4/3/2018 - 4/3/2018 | | | |
| DWR Inspector | Keith Millard | | | |
| Accompanied By | David Robinson RD 3 | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|----------------------------------|--------------|------------------------|------------|------------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 102 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0003_01_s_2013_102 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| LMA has a copy of the O & M manual on file at district office. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|------------------------|------------|------------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 103 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0003_01_s_2013_103 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA has an adequate flood fight supplies and equipment to respond to a flood emergency. | | | | | |

No Photos

| | | | | | |
|---|-------------------------------|--------------|------------------------|------------|------------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 104 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0003_01_s_2013_104 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA is organized to respond to flood emergency. District has been involved in flood fight training. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | M | Issue No. | 189 |
| LM End | 0.06 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.303892 ° | 38.303892 ° |
| | | | | -121.575309 ° | -121.575309 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:41583 DS_ID:22134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on LS slope. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, invert elevation 6.6 feet below the crown. 36-inch concrete standpipe visible 30 feet upstream from the crossing on the landside (LS) toe. Pipe open on both ends. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.06)]. FS Date: 8/27/2014 | | | | | |

Photo 1 of 2 : UCIP_SP_2018_41583_55234.jpg



Open pipe visible on LS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.06 | Rating ** | M | Issue No. | 189 (cont) |
| LM End | 0.06 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_SP_2018_41583_55233.jpg



Concrete standpipe visible on LS slope

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.13 | Rating ** | M | Issue No. | 19 |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.303305 ° | 38.303305 ° |
| | | | | -121.576537 ° | -121.576537 ° |
| DWR ID | DWR_RD0003_01_f_2012_19 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Tree branches and limbs on waterward shoulder. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.13 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS |

Photo 1 of 4 : SP_2018_RD0003_24_19_20180305_00021.jpg



Looking north at tree branches on waterward slope. (Fall 2016)

Photo 2 of 4 : SP_2018_RD0003_24_19_20180305_00022.jpg



Looking west at tree branch on waterward shoulder and slope. (Fall 2016)

Photo 3 of 4 : SP_2018_RD0003_24_19_20180305_00023.jpg



Looking west at tree branch on waterward shoulder and slope. (Fall 2014)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.13 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS |

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 0.13 | Rating ** | M | Issue No. | 19 (cont) | |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.303305 ° | | 38.303305 ° |
| | | | | -121.576537 ° | | -121.576537 ° |
| DWR ID | DWR_RD0003_01_f_2012_19 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Tree branches and limbs on waterward shoulder. | | | | | | |

Photo 4 of 4 : SP_2018_RD0003_24_19_20180305_00024.jpg



Looking west at tree branches on waterward shoulder. (Spring 2014)

| | | | | | | |
|--|------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.13 | Rating ** | M | Issue No. | 2 | |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Erosion / Bank Caving | | | 38.303303 ° | | 38.303303 ° |
| | | | | -121.576538 ° | | -121.576538 ° |
| DWR ID | DWR_RD0003_01_f_2013_2 | | | | | |
| Comment Code | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | |
| Inspector Comment | | | | | | |
| Hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder. | | | | | | |

Photo 1 of 3 : SP_2018_RD0003_24_2_20180305_00003.jpg



Looking east at hole at the base of an oak tree on the waterward shoulder. (2016)

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.13 | Rating ** | M | Issue No. | 2 (cont) |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : SP_2018_RD0003_24_2_20180305_00004.jpg



Looking at a hole next to oak tree on waterward shoulder. (2015)

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 0.13 | Rating ** | M | Issue No. | 2 (cont) | |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Erosion / Bank Caving | | | 38.303303 ° | 38.303303 ° | |
| | | | | -121.576538 ° | -121.576538 ° | |
| DWR ID | DWR_RD0003_01_f_2013_2 | | | | | |
| Comment Code | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | |
| Inspector Comment | | | | | | |
| Hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder. | | | | | | |

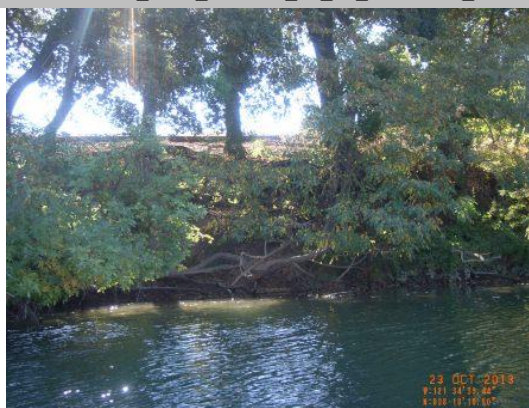
Photo 3 of 3 : SP_2018_RD0003_24_2_20180305_00005.jpg



Looking east at hole at base of tree on waterward shoulder. (2014)

| | | | | | |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.18 | Rating ** | A/W | Issue No. | 10 |
| LM End | 0.24 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.303035 ° | 38.302544 ° |
| | | | | -121.577357 ° | -121.578241 ° |
| DWR ID | DWR_RD0003_01_s_2016_10 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Mass failure of berm slope and wave wash erosion. Large trees on top of berm, some failed trees. New area of low rock to on the upstream end. 2000 - Some minor erosion near the downstream end. 2005 - One new small tree has fallen. 2009 - Minimal new erosion. 2010 - Minor new erosion. 2013 - Observed new animal holes and vertical sections at middle of site. 2015: Minor new erosion. [2015 Site ID: STM_26-0_L] | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_10_20180305_00015.jpg



USACE 2013 Photo #1

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.18 | Rating ** | A/W | Issue No. | 52 |
| LM End | 0.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.302981 ° | 38.302778 ° |
| | | | | -121.577336 ° | -121.577683 ° |
| DWR ID | DWR_RD0003_01_s_2018_52 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: District station 9+63 to 10+85, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 122 linear feet of the water side slope of Steamboat Slough (Unit 1). Erosion commences approximately 1/3 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees. | | | | | |
| Site ID No: 274 | | | | | |
| Site Designation: LMA-100 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating: Serious | | | | | |
| Field Date: 7/26/2017 | | | | | |
| Notes: trees undercut by erosion | | | | | |

Photo 1 of 3 : LEVAL_SP_2018_274_2391.jpg



| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.18 | Rating ** | A/W | Issue No. | 52 (cont) |
| LM End | 0.21 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : LEVAL_SP_2018_274_2392.jpg



| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

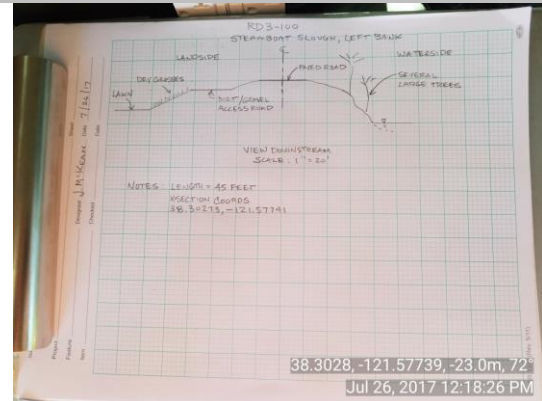
Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 0.18 | Rating ** | A/W | Issue No. | 52 (cont) | |
| LM End | 0.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.302981 ° | 38.302778 ° | |
| | | | | -121.577336 ° | -121.577683 ° | |
| DWR ID | DWR_RD0003_01_s_2018_52 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: District station 9+63 to 10+85, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 122 linear feet of the water side slope of Steamboat Slough (Unit 1). Erosion commences approximately 1/3 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees. | | | | | | |
| Site ID No: 274 | | | | | | |
| Site Designation: LMA-100 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating: Serious | | | | | | |
| Field Date: 7/26/2017 | | | | | | |
| Notes: trees undercut by erosion | | | | | | |

Photo 3 of 3 : LEVAL_SP_2018_274_2395.jpg



| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 188 |
| LM End | 0.21 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.302625 ° | 38.302625 ° |
| | | | | -121.577683 ° | -121.577683 ° |
| DWR ID | DWR_RD0003_01_s_2012_188 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Landowner has piled wooden boards and trash on waterside berm. | | | | | |

Photo 1 of 4 : SP_2018_RD0003_24_188_20180305_00089.jpg



Looking southwest at garbage on waterward berm. (Fall 2014)

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 188 (cont) | |
| LM End | 0.21 | Issue Type + | En | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.302625 ° | | 38.302625 ° |
| | | | | -121.577683 ° | | -121.577683 ° |
| DWR ID | DWR_RD0003_01_s_2012_188 | | | | | |
| Comment Code | | | | | | |
| GA : Garbage | | | | | | |
| Inspector Comment | | | | | | |
| Landowner has piled wooden boards and trash on waterside berm. | | | | | | |

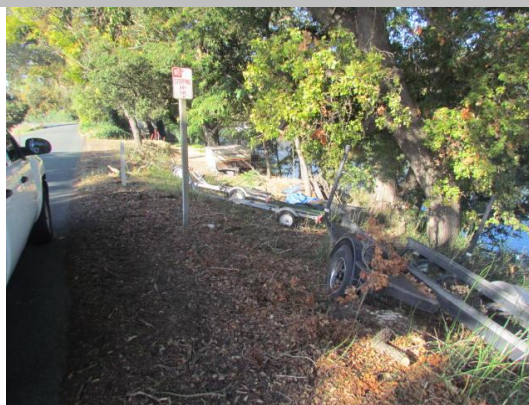
Photo 2 of 4 : SP_2018_RD0003_24_188_20180305_00090.jpg



Looking southwest at garbage and equipment on waterward berm. (Fall 2014)

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 188 (cont) |
| LM End | 0.21 | Issue Type + | En | Location * | WS |

Photo 3 of 4 : SP_2018_RD0003_24_188_20180305_00091.jpg



Looking southwest at equipment and garbage stored on waterward slope and toe. (Spring 2014)

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 188 (cont) |
| LM End | 0.21 | Issue Type + | En | Location * | WS |

Photo 4 of 4 : SP_2018_RD0003_24_188_20180305_00092.jpg



Looking southwest at trash on waterside berm. (Spring 2014)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

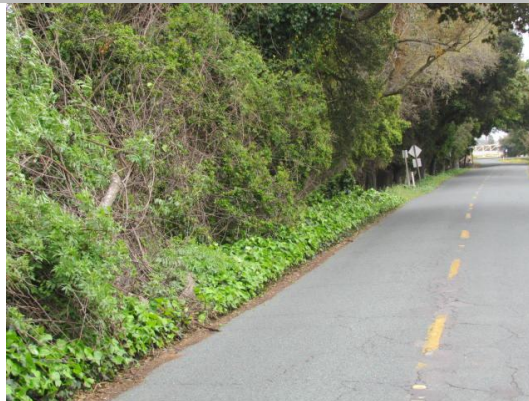
Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.22 | Rating ** | U | Issue No. | 6 |
| LM End | 0.33 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.302530 ° | 38.301424 ° |
| | | | | -121.577848 ° | -121.579113 ° |
| DWR ID | DWR_RD0003_01_s_2012_6 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense landscaping on waterward shoulder and slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_6_20180305_00007.jpg



Looking northeast at dense landscaping on waterward shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.22 | Rating ** | U | Issue No. | 6 (cont) |
| LM End | 0.33 | Issue Type + | En | Location * | WS |

Photo 2 of 2 : SP_2018_RD0003_24_6_20180305_00008.jpg

Looking southwest at landscaping on waterside shoulder and slope.
(2015)

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

Levee Inspection Report By Mile - Spring 2018

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 53 (cont) |
| LM End | 0.97 | Issue Type + | Ma | Location * | |



38.29302, -121.58252, -26.0m, 344°
Jul 26, 2017 12:32:25 PM

38.29301, -121.58242, -22.0m, 282°
Jul 26, 2017 12:33:03 PM

Page 10 of 87

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 53 (cont) | |
| LM End | 0.97 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.293381 ° | 38.292617 ° | |
| | | | | -121.582450 ° | -121.582675 ° | |
| DWR ID | DWR_RD0003_01_s_2018_53 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: District station 48+20 to 51+06, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 286 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion begins approximately 1/2 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees. | | | | | | |
| Site ID No: 275 | | | | | | |
| Site Designation: LMA-101 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating: Serious | | | | | | |
| Field Date: 7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 3 of 3 : LEVAL_SP_2018_275_2399.jpg



| | | | | | |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 4 |
| LM End | 0.96 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.293386 ° | 38.292675 ° |
| | | | | -121.582554 ° | -121.582741 ° |
| DWR ID | DWR_RD0003_01_s_2016_4 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Erosion of sandy levee on top left bank. Site is downstream of a rock section. Large riparian trees on the bank. 1999 - Upstream half of the reach repaired with rock, except for a 30 ft reach at the upstream end. 2001 - Rock repair on the upstream and downstream ends; no revetment at the trees. 2002 - Rock repair is starting to slide off the geotextile at the upstream end. 2005 - One new small tree has fallen. 2006 - 50 ft pocket at the downstream end and at the upstream end with new rock in between. 2007 - Upstream end has been repaired. 2010 - Some minor new erosion. 2011 - Minor new erosion. 2012 - Minor new erosion at the toe. 2015: Significant new erosion, large oak tree on verge of popping out. [2015 Site ID: STM_25-0_L] | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_4_20180305_00006.jpg



USACE 2013 Photo #1

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

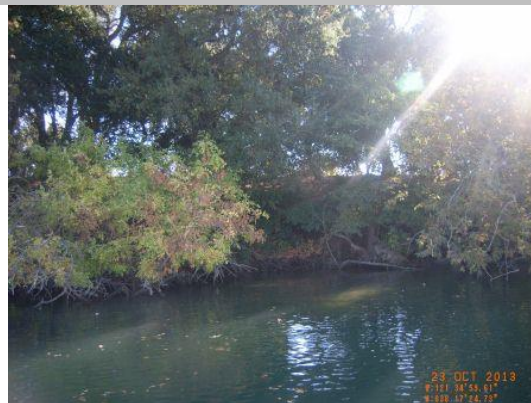
Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.03 | Rating ** | M | Issue No. | 1 |
| LM End | 1.18 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.291695 ° | 38.289575 ° |
| | | | | -121.582993 ° | -121.583092 ° |
| DWR ID | DWR_RD0003_01_s_2016_1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013 - Short vertical sections observed at the downstream end. 2015: New erosion at toe. [2015 Site ID: STM 24-8 L] | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_1_20180305_00001.jpg



USACE 2013 Photo #1

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 1.03 | Rating ** | M | Issue No. | 1 (cont) |
| LM End | 1.18 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0003_24_1_20180305_00002.jpg



USACE 2013 Photo #2

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.04 | Rating ** | M | Issue No. | 132 |
| LM End | 1.04 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.291528 ° | 38.291528 ° |
| | | | | -121.582767 ° | -121.582767 ° |
| DWR ID | DWR_RD0003_01_f_2014_132 | | | | |
| Comment Code | | | | | |
| SI : Sign | | | | | |
| Inspector Comment | | | | | |
| Unauthorized sign on waterward shoulder. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_132_20180305_00088.jpg



Looking southwest at sign on waterward shoulder.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.07 | Rating ** | U | Issue No. | 12 |
| LM End | 1.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.291055 ° | 38.290898 ° |
| | | | | -121.582765 ° | -121.582777 ° |
| DWR ID | DWR_RD0003_01_s_2012_12 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.07 | Rating ** | U | Issue No. | 12 (cont) |
| LM End | 1.08 | Issue Type + | En | Location * | LS |

Photo 1 of 2 : SP_2018_RD0003_24_12_20180305_00016.jpg



Looking northeast at dense landscape on landward slope. (Spring 2013)

Photo 2 of 2 : SP_2018_RD0003_24_12_20180305_00017.jpg



Looking southeast at landscaping on landside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.09 | Rating ** | A/W | Issue No. | 60 |
| LM End | 1.10 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.290819 ° | 38.290706 ° |
| | | | | -121.582942 ° | -121.582939 ° |
| DWR ID | DWR_RD0003_01_f_2017_60 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 57+57 to 57+98, Sec. 18, 1. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 41 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion commences approximately 1/2 ofthe way down the slope from the crown to the waterside toe. | | | | | |
| Site ID No:276 | | | | | |
| Site Designation:LMA-102 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/26/2017 | | | | | |
| Notes: | | | | | |

Photo 1 of 3 : SP_2018_RD0003_24_60_20180305_00048.jpg



Photo 2 of 3 : SP_2018_RD0003_24_60_20180305_00049.jpg



| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 1.09 | Rating ** | A/W | Issue No. | 60 (cont) | |
| LM End | 1.10 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.290819 ° | 38.290706 ° | |
| | | | | -121.582942 ° | -121.582939 ° | |
| DWR ID | DWR_RD0003_01_f_2017_60 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description:District station 57+57 to 57+98, Sec. 18, 1. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 41 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion commences approximately 1/2 ofthe way down the slope from the crown to the waterside toe. | | | | | | |
| Site ID No:276 | | | | | | |
| Site Designation:LMA-102 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Area of Concern | | | | | | |
| Field Date:7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 3 of 3 : SP_2018_RD0003_24_60_20180305_00050.jpg



| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.21 | Rating ** | U | Issue No. | 21 |
| LM End | 1.26 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.289130 ° | 38.288327 ° |
| | | | | -121.582800 ° | -121.582822 ° |
| DWR ID | DWR_RD0003_01_s_2013_21 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landscaping has been in place for several years. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_21_20180305_00026.jpg



Looking south at landside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 1.21 | Rating ** | U | Issue No. | 21 (cont) | |
| LM End | 1.26 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.289130 ° | | 38.288327 ° |
| | | | | -121.582800 ° | | -121.582822 ° |
| DWR ID | DWR_RD0003_01_s_2013_21 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| Landscaping has been in place for several years. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_24_21_20180305_00027.jpg



Looking north at dense landscaping on landward shoulder and slope.(Spring 2017)

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.32 | Rating ** | M | Issue No. | 190 |
| LM End | 1.32 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.287515 ° | 38.287515 ° |
| | | | | -121.582925 ° | -121.582925 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:31287 | | | | | |
| DS_ID:24838 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Appears abandoned and if so should be done so properly. | | | | | |
| FIELD_STRUCT_DESC: *ABANDONED* 2.5-inch galvanized iron irrigation pipe through the levee, 4 feet below the crown. 1.25-inch galvanized iron electrical conduit at the same location. | | | | | |
| FS Date: 2/13/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_31287_57298.jpg



Walkway to pier on WS shoulder.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.32 | Rating ** | M | Issue No. | 190 (cont) | |
| LM End | 1.32 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.287515 ° | 38.287515 ° | |
| | | | | -121.582925 ° | -121.582925 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31287 | | | | | | |
| DS_ID:24838 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Appears abandoned and if so should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: *ABANDONED* 2.5-inch galvanized iron irrigation pipe through the levee, 4 feet below the crown. 1.25-inch galvanized iron electrical conduit at the same location. | | | | | | |
| FS Date: 2/13/2014 | | | | | | |

Photo 2 of 3 : UCIP_SP_2018_31287_57297.jpg



Pipe visible just off LS shoulder in vegetation.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.32 | Rating ** | M | Issue No. | 190 (cont) |
| LM End | 1.32 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_31287_57296.jpg



Pipe visible just off LS shoulder in vegetation.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.38 | Rating ** | M | Issue No. | 69 |
| LM End | 1.38 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.286689 ° | 38.286689 ° |
| | | | | -121.583500 ° | -121.583500 ° |
| DWR ID | DWR_RD0003_01_s_2016_69 | | | | |
| Comment Code | | | | | |
| FW : Firewood | | | | | |
| Inspector Comment | | | | | |
| Landowner stockpiling firewood at landward toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_69_20180305_00057.jpg



Looking southeast at firewood stockpiled at landward toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.39 | Rating ** | U | Issue No. | 33 |
| LM End | 1.39 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.286623 ° | 38.286614 ° |
| | | | | -121.583586 ° | -121.583583 ° |
| DWR ID | DWR_RD0003_01_s_2012_33 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Equipment and large fallen tree on landward toe. | | | | | |

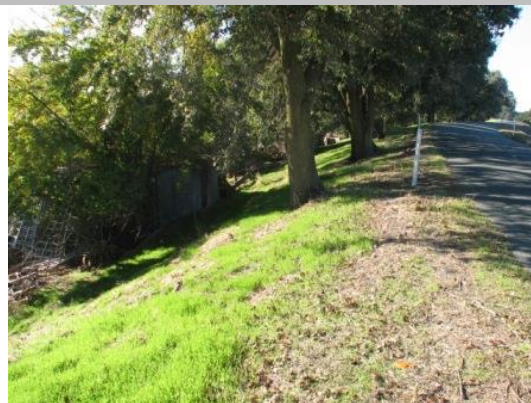
Photo 1 of 3 : SP_2018_RD0003_24_33_20180305_00032.jpg



Looking east at tool shed and equipment on landside toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.39 | Rating ** | U | Issue No. | 33 (cont) |
| LM End | 1.39 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : SP_2018_RD0003_24_33_20180305_00033.jpg



Equipment within 10' of levee toe obstructs access and visibility.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 1.39 | Rating ** | U | Issue No. | 33 (cont) | |
| LM End | 1.39 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.286623 ° | | 38.286614 ° |
| | | | | -121.583586 ° | | -121.583583 ° |
| DWR ID | DWR_RD0003_01_s_2012_33 | | | | | |
| Comment Code | | | | | | |
| EQ : Equipment | | | | | | |
| Inspector Comment | | | | | | |
| Equipment and large fallen tree on landward toe. | | | | | | |

Photo 3 of 3 : SP_2018_RD0003_24_33_20180403_00169.jpg



Equipment and fallen tree on landside toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.59 | Rating ** | U | Issue No. | 15 |
| LM End | 1.59 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.284777 ° | 38.284777 ° |
| | | | | -121.586340 ° | -121.586340 ° |
| DWR ID | DWR_RD0003_01_s_2012_15 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Large redwood trees on landward shoulder. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_15_20180305_00018.jpg



Looking southwest at landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.59 | Rating ** | U | Issue No. | 15 (cont) |
| LM End | 1.59 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_24_15_20180305_00019.jpg

Looking southeast at dense trees on landside shoulder and slope.
(updated Spring 2012)

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.60 | Rating ** | U | Issue No. | 7 |
| LM End | 1.60 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.284645 ° | 38.284645 ° |
| | | | | -121.586534 ° | -121.586534 ° |
| DWR ID | DWR_RD0003_01_s_2012_7 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_7_20180305_00009.jpg



Looking south at dense landscaping on landside shoulder and slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.61 | Rating ** | U | Issue No. | 16 |
| LM End | 1.65 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.284574 ° | 38.284177 ° |
| | | | | -121.586631 ° | -121.587208 ° |
| DWR ID | DWR_RD0003_01_s_2012_16 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_16_20180305_00020.jpg



Looking southwest at dense landscaping on landside shoulder and slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.69 | Rating ** | U | Issue No. | 62 |
| LM End | 1.69 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.283747 ° | 38.283747 ° |
| | | | | -121.587622 ° | -121.587622 ° |
| DWR ID | DWR_RD0003_01_f_2016_62 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Broken tree branch on waterward slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_62_20180305_00051.jpg



| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 1.69 | Rating ** | U | Issue No. | 62 (cont) | |
| LM End | 1.69 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.283747 ° | | 38.283747 ° |
| | | | | -121.587622 ° | | -121.587622 ° |
| DWR ID | DWR_RD0003_01_f_2016_62 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Broken tree branch on waterward slope. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_24_62_20180305_00052.jpg



Looking southwest at broken branches on waterward slope.

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.76 | Rating ** | C | Issue No. | 56 |
| LM End | 1.76 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.282808 ° | 38.282808 ° |
| | | | | -121.588243 ° | -121.588243 ° |
| DWR ID | DWR_RD0003_01_s_2017_56 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on landward slope. | | | | | |

No Photos

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.76 | Rating ** | M | Issue No. | 8 |
| LM End | 1.76 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.282771 ° | 38.282771 ° |
| | | | | -121.588227 ° | -121.588227 ° |
| DWR ID | DWR_RD0003_01_s_2012_8 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_8_20180305_00010.jpg



Looking east at vegetation on landward slope. (Fall 2016)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|-------------------|------------------------|--------------|----|------------------------|----------|---------------|
| LM Start | 1.76 | Rating ** | M | Issue No. | 8 (cont) | |
| LM End | 1.76 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.282771 ° | | 38.282771 ° |
| | | | | -121.588227 ° | | -121.588227 ° |
| DWR ID | DWR_RD0003_01_s_2012_8 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

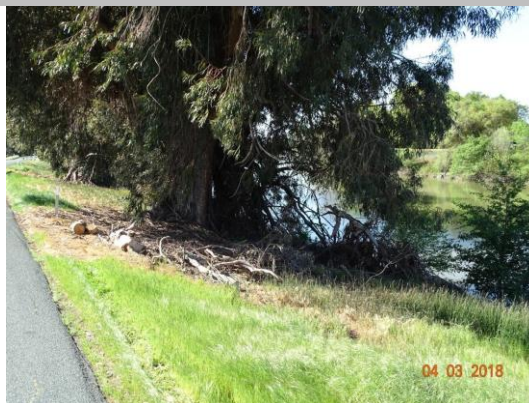
Photo 2 of 2 : SP_2018_RD0003_24_8_20180305_00011.jpg



Looking east at vegetation on landside slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.91 | Rating ** | M | Issue No. | 54 |
| LM End | 1.91 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.280638 ° | 38.280638 ° |
| | | | | -121.588457 ° | -121.588457 ° |
| DWR ID | DWR_RD0003_01_s_2018_54 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Cut branches on waterside slope and shoulder. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_54_20180403_00170.jpg



Cut branches on waterside slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.93 | Rating ** | C | Issue No. | 81 |
| LM End | 1.93 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.280319 ° | 38.280319 ° |
| | | | | -121.588426 ° | -121.588426 ° |
| DWR ID | DWR_RD0003_01_f_2017_81 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.11 | Rating ** | M | Issue No. | 70 |
| LM End | 2.11 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.277908 ° | 38.277908 ° |
| | | | | -121.589138 ° | -121.589138 ° |
| DWR ID | DWR_RD0003_01_s_2016_70 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Old farm equipment and storage containers stored at landward toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_70_20180305_00058.jpg



| | | | | | |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.27 | Rating ** | M | Issue No. | 55 |
| LM End | 2.27 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.275827 ° | 38.275827 ° |
| | | | | -121.589979 ° | -121.589979 ° |
| DWR ID | DWR_RD0003_01_s_2018_55 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on waterside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_55_20180403_00171.jpg



Fallen tree limb on waterside.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.38 | Rating ** | M | Issue No. | 26 |
| LM End | 2.38 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.274775 ° | 38.274775 ° |
| | | | | -121.588295 ° | -121.588295 ° |
| DWR ID | DWR_RD0003_01_s_2013_26 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landscaping has been reduced in this area, but still inhibits inspection and access. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_26_20180403_00172.jpg



Landscaping should continue to be reduced.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 2.40 | Rating ** | M | Issue No. | 191 | |
| LM End | 2.40 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.274633 ° | 38.274633 ° | |
| | | | | -121.588121 ° | -121.588121 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29569 DS_ID:22324 EP_NO: 4346 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe is abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 1.5 feet below the crown. Pump visible at the landside (LS) toe. (Plans for replacing existing 10-inch pipe with a new 10-inch pipe through the levee authorized under Permit No. 4346, 1963 - Hamatani Brothers). [Additional Reference(s): USACE Sacramento O&M Manual 104, February 1960, (RM 23.70)]. FS Date: 2/13/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.40 | Rating ** | M | Issue No. | 191 (cont) |
| LM End | 2.40 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_29569_54641.jpg



Pump visible on LS toe.

Photo 2 of 3 : UCIP_SP_2018_29569_54640.jpg



Pump visible at LS toe. Pipe alignment of old pipe goes between two large oaks on LS shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.53 | Rating ** | U | Issue No. | 65 |
| LM End | 2.57 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.272886 ° | 38.272262 ° |
| | | | | -121.587624 ° | -121.588010 ° |
| DWR ID | DWR_RD0003_01_s_2018_65 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_65_20180403_00174.jpg



Landside vegetation.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.55 | Rating ** | M | Issue No. | 192 |
| LM End | 2.55 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.272613 ° | 38.272613 ° |
| | | | | -121.587821 ° | -121.587821 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29567 DS_ID:22146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify proper abandonment of irrigation pipe. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, invert elevation 4.2 feet below the crown. 5-foot by 7-foot concrete distribution box at the landside (LS) toe. Cannot see pipe on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 23.55)]. FS Date: 2/13/2014 | | | | | |

Photo 1 of 2 : UCIP_SP_2018_29567_54634.jpg



Pipe visible inside concrete distribution box on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 2.55 | Rating ** | M | Issue No. | 192 (cont) | |
| LM End | 2.55 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.272613 ° | | 38.272613 ° |
| | | | | -121.587821 ° | | -121.587821 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29567 DS_ID:22146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify proper abandonment of irrigation pipe. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, invert elevation 4.2 feet below the crown. 5-foot by 7-foot concrete distribution box at the landside (LS) toe. Cannot see pipe on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 23.55)]. FS Date: 2/13/2014 | | | | | | |

Photo 2 of 2 : UCIP_SP_2018_29567_54633.jpg



Pipe visible inside concrete distribution box on LS toe.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.66 | Rating ** | M | Issue No. | 82 |
| LM End | 2.66 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.271128 ° | 38.271128 ° |
| | | | | -121.588634 ° | -121.588634 ° |
| DWR ID | DWR_RD0003_01_f_2017_82 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_82_20180305_00074.jpg



Looking southwest at waterside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|-------------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 29 |
| LM End | 2.69 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.270733 ° | 38.270733 ° | |
| | | | -121.588708 ° | -121.588708 ° | |
| DWR ID | DWR_RD0003_01_s_2018_29 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Large tree limb on waterside slope. | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.82 | Rating ** | M | Issue No. | 41 |
| LM End | 2.82 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.268844 ° | 38.268844 ° | |
| | | | -121.588264 ° | -121.588264 ° | |
| DWR ID | DWR_RD0003_01_s_2012_41 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.87 | Rating ** | U | Issue No. | 48 |
| LM End | 2.87 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.268257 ° | 38.268257 ° | |
| | | | -121.587677 ° | -121.587677 ° | |
| DWR ID | DWR_RD0003_01_s_2013_48 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Storage shed has been here for several years on waterward berm. Storage shed appears to be abandoned and should be removed. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_48_20180305_00037.jpg



Looking northwest at storage shed on waterward berm.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.92 | Rating ** | M | Issue No. | 193 |
| LM End | 2.92 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.267565 ° | 38.267565 ° |
| | | | | -121.587390 ° | -121.587390 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29563 DS_ID:22148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pitted holes on slant pump intake may indicate internal problem. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe though the levee, invert elevation 6.3 feet below the crown. Service pole on the landside (LS) slope. 1.5-inch electrical conduit through the levee to the pump on the waterside (WS). 36-inch concrete standpipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 16-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.17), 16-inch pipe referenced]. FS Date: 2/13/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.92 | Rating ** | M | Issue No. | 193 (cont) |
| LM End | 2.92 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_29563_54622.jpg



Intake pipe at slantpump on WS slope.

Photo 2 of 3 : UCIP_SP_2018_29563_54621.jpg



Multiple leaks in suction pipe on WS slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.92 | Rating ** | M | Issue No. | 193 (cont) | |
| LM End | 2.92 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.267565 ° | 38.267565 ° | |
| | | | | -121.587390 ° | -121.587390 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29563 DS_ID:22148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pitted holes on slant pump intake may indicate internal problem. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe though the levee, invert elevation 6.3 feet below the crown. Service pole on the landside (LS) slope. 1.5-inch electrical conduit through the levee to the pump on the waterside (WS). 36-inch concrete standpipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 16-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.17), 16-inch pipe referenced]. FS Date: 2/13/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29563_54620.jpg



Pipe and standpipe visible on LS toe. Power pole and meter on LS slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.93 | Rating ** | U | Issue No. | 68 |
| LM End | 3.06 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.267448 ° | 38.265504 ° |
| | | | | -121.587369 ° | -121.587155 ° |
| DWR ID | DWR_RD0003_01_s_2018_68 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Row of trees along landside toe inhibits inspection and prevents access. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_68_20180403_00175.jpg



Closely spaced trees along toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.06 | Rating ** | M | Issue No. | 194 |
| LM End | 3.06 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.265509 ° | 38.265509 ° |
| | | | | -121.587134 ° | -121.587134 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:31327 DS_ID:22149 EP_NO: 6870 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion on LS slope between pumphouse and tank. FIELD_STRUCT_DESC: 1 of 3: 18-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. Primer pump in a pump house on the landside (LS) slope. Tank and filler pipes on the LS slope. (Plans to retain a pump house, a pressure tank, two buried metal tanks, and a pipeline authorized under Permit No. 6870, 1970 - H. P. Garin Jr, et al.). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 23.03)]. FS Date: 2/13/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 3.06 | Rating ** | M | Issue No. | 194 (cont) |
| LM End | 3.06 | Issue Type + | En | Location * | |

Photo 1 of 2 : UCIP_SP_2018_31327_57380.jpg



Pumphouse , tank, and filler pipes visible on LS slope. (note erosion between tank and pumphouse.

Photo 2 of 2 : UCIP_SP_2018_31327_57379.jpg



Pipe with fish screen visible on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.11 | Rating ** | U | Issue No. | 20 |
| LM End | 3.13 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.264902 ° | 38.264580 ° |
| | | | | -121.587193 ° | -121.587220 ° |
| DWR ID | DWR_RD0003_01_s_2012_20 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Oleander on landside shoulder. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_20_20180305_00025.jpg



Looking south at dense veg. on landside slope.

| | | | | | |
|--------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.16 | Rating ** | N | Issue No. | 47 |
| LM End | 3.16 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.264154 ° | 38.264154 ° |
| | | | | -121.587242 ° | -121.587242 ° |
| DWR ID | DWR_RD0003_01_s_2012_47 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| 6 large stumps on slope. | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.23 | Rating ** | M | Issue No. | 195 |
| LM End | 3.23 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.263075 ° | 38.263075 ° |
| | | | | -121.587451 ° | -121.587451 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29547 DS_ID:22151 EP_NO: 1113 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump pier is damaged and falling into the water. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Vertical pump on a pile structure in the stream. Walkway from the waterside (WS) berm to the pump. 1.5-inch electrical conduit and 2.5-inch filler pipe at the same location. 36-inch concrete standpipe on the landside (LS) toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 1113, 1946 - Elsie Goldman Dixon). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.85)]. FS Date: 2/13/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29547_54611.jpg



Walkway to pump on pier at WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 3.23 | Rating ** | M | Issue No. | 195 (cont) |
| LM End | 3.23 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_29547_54610.jpg



Damaged pump platform at WS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.23 | Rating ** | M | Issue No. | 195 (cont) | |
| LM End | 3.23 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.263075 ° | 38.263075 ° | |
| | | | | -121.587451 ° | -121.587451 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29547 | | | | | | |
| DS_ID:22151 | | | | | | |
| EP_NO: 1113 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pump pier is damaged and falling into the water. | | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Vertical pump on a pile structure in the stream. Walkway from the waterside (WS) berm to the pump. 1.5-inch electrical conduit and 2.5-inch filler pipe at the same location. 36-inch concrete standpipe on the landside (LS) toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 1113, 1946 - Elsie Goldman Dixon). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.85)]. | | | | | | |
| FS Date: 2/13/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29547_54609.jpg



Concrete standpipe and pipe visible on LS toe.

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.82 | Rating ** | U | Issue No. | 9 |
| LM End | 3.87 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.258222 ° | 38.257453 ° |
| | | | | -121.593793 ° | -121.593942 ° |
| DWR ID | DWR_RD0003_01_s_2012_9 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 3 : SP_2018_RD0003_24_9_20180305_00012.jpg



Looking south at landside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|-------------------|------------------------|--------------|----|------------------------|----------|---------------|
| LM Start | 3.82 | Rating ** | U | Issue No. | 9 (cont) | |
| LM End | 3.87 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.258222 ° | | 38.257453 ° |
| | | | | -121.593793 ° | | -121.593942 ° |
| DWR ID | DWR_RD0003_01_s_2012_9 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 2 of 3 : SP_2018_RD0003_24_9_20180305_00013.jpg



Looking south at trees on landward shoulder and slope (Spring 2016).

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 3.82 | Rating ** | U | Issue No. | 9 (cont) |
| LM End | 3.87 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : SP_2018_RD0003_24_9_20180305_00014.jpg



Looking south at trees on landward shoulder and slope. (Fall 2015)

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.82 | Rating ** | M | Issue No. | 196 (cont) | |
| LM End | 3.82 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.258166 ° | 38.258166 ° | |
| | | | | -121.593801 ° | -121.593801 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29530 | | | | | | |
| DS_ID:22317 | | | | | | |
| EP_NO: 17221 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Open trench along WS slope parallell to river. | | | | | | |
| FIELD_STRUCT_DESC: 7-inch steel boat dock service conduit through the levee, 4 feet below the crown. 1.5-inch and 4-inch polyvinyl chloride (PVC) pipes sleeved through the 7-inch conduit. Steps on the waterside (WS) slope. Tank on the landside (LS) shoulder. Conduit provides service to the boat dock just upstream. (Plans to install 1.5-inch and 4-inch PVC pipes through the existing 8-inch steel pipe and through the LS slope, to construct a 48-foot by 21-foot boat dock supported on four steel piles, and to construct a 14-foot-wide access ramp on the LS slope authorized under Permit No. 17221, 2000 - Hart, Inc). | | | | | | |
| FS Date: 2/13/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29530_54590.jpg



Tank on LS shoulder.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------|
| LM Start | 4.11 | Rating ** | M | Issue No. | 197 |
| LM End | 4.11 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 38.254605 ° | 38.254605 ° | |
| | | | -121.596371 ° | -121.596371 ° | |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:31583
DS_ID:22160
EP_NO: 7948
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Siphon breaker missing from LS shoulder.
FIELD_STRUCT_DESC: 14-inch coated steel irrigation discharge pipe through the levee, 4.5 feet below the crown. Pipe measures 12 inches on the slopes. Slant pump and platform on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe off the LS toe. 1.5-inch galvanized iron electrical conduit at the same location. (Plans to replace pump and pipe through the levee authorized under Permit No. 7948, 1972 - Carl E. van Loben Sels).
[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 21.97), referenced as invert elevation 4.2 feet below the crown].
FS Date: 2/13/2014

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.11 | Rating ** | M | Issue No. | 197 (cont) |
| LM End | 4.11 | Issue Type + | En | Location * | |

Photo 1 of 2 : UCIP_SP_2018_31583_57841.jpg



36-inch concrete standpipe off LS toe.

Photo 2 of 2 : UCIP_SP_2018_31583_57840.jpg



Pipe visible on WS slope with pump on pier and electrical conduit.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.11 | Rating ** | M | Issue No. | 198 |
| LM End | 4.11 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.254596 ° | 38.254596 ° |
| | | | | -121.596392 ° | -121.596392 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:31584 DS_ID:22158 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 2.7 feet below the crown. Pump and tank visible in a box on the landside (LS) shoulder. Electrical panel on the LS slope with a concrete standpipe at the LS toe. [Additional Reference(s): USACE Sacramento O&M Manual 104, February 1960, (RM 21.97), 10-inch pipe referenced]. FS Date: 2/13/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.11 | Rating ** | M | Issue No. | 198 (cont) |
| LM End | 4.11 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_31584_57843.jpg



Pump and tank in box on LS shoulder.

Photo 2 of 3 : UCIP_SP_2018_31584_57842.jpg



Pump and tank in box on LS shoulder with concrete standpipe visible on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.11 | Rating ** | M | Issue No. | 198 (cont) |
| LM End | 4.11 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.254596 ° | 38.254596 ° |
| | | | | -121.596392 ° | -121.596392 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:31584 DS_ID:22158 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 2.7 feet below the crown. Pump and tank visible in a box on the landside (LS) shoulder. Electrical panel on the LS slope with a concrete standpipe at the LS toe. [Additional Reference(s): USACE Sacramento O&M Manual 104, February 1960, (RM 21.97), 10-inch pipe referenced]. FS Date: 2/13/2014 | | | | | |

Photo 3 of 3 : UCIP_SP_2018_31584_57844.jpg



Pipe visible on WS slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.12 | Rating ** | U | Issue No. | 71 |
| LM End | 4.12 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.254565 ° | 38.254565 ° |
| | | | | -121.596437 ° | -121.596437 ° |
| DWR ID | DWR_RD0003_01_f_2017_71 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense trees blocking view of landward toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_71_20180305_00059.jpg



Looking east at dense vegetatin next to ramp on landward slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.13 | Rating ** | M | Issue No. | 77 |
| LM End | 4.13 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.254443 ° | 38.254443 ° |
| | | | | -121.596646 ° | -121.596646 ° |
| DWR ID | DWR_RD0003_01_s_2016_77 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Landowner storing tree stumps on landward slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_77_20180305_00068.jpg



Looking east at stumps on landward slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.38 | Rating ** | U | Issue No. | 199 |
| LM End | 4.38 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.252959 ° | 38.252959 ° |
| | | | | -121.600707 ° | -121.600707 ° |
| DWR ID | | | | | |

| |
|--------------|
| Comment Code |
|--------------|

| |
|-------------------|
| Inspector Comment |
|-------------------|

FS_ID:52541
DS_ID:22163
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 09/29/2017 Received updated photo from DWR levee inspector, D. Torres, and photo shows part or all of the pipe has been removed. Inspector could not verify proper abandonment. Need to coordinate with LMA and owner to determine supporting documentation to support the work completed at this site. This crossing remains urgent due to the details of the extent of the removal. No permit was found to authorizing levee work. (DWR UCIP - O. Magana) 07/06/2016 Pipe diversion off main steam on LS has tape wrapped around its connections, a possible attempt to contain past leakage. Did not see active leakage. Slight sloughing on LS slope at diversion manifold. (DWR UCIP - kfazel)02/13/2014 Pipe disconnected or diverted on LS shoulder and leaking. Water runs down LS slope freely causing erosion. Siphon breaker not visible in CMP riser. Walkway to pump in poor structural condition. (DWR UCIP - pamatya)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Slant pump on a pile structure in the stream. Pipe exposed on the waterside (WS) berm. 36-inch concrete standpipe off the LS toe. 1.5-inch electrical conduit of an unknown material through the levee, 2 feet below the crown, at the same location. (Charlotte K. Hales).
[Additional Reference(s): DWR Levee Log, 1993].
FS Date: 11/29/2017 3:20:29 PM

Photo 1 of 3 : UCIP_SP_2018_52541_54546.jpg



Pipe visible on WS slope with slantpump on pier.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.38 | Rating ** | U | Issue No. | 199 (cont) |
| LM End | 4.38 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.252959 ° | 38.252959 ° |
| | | | | -121.600707 ° | -121.600707 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:52541
DS_ID:22163
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 09/29/2017 Received updated photo from DWR levee inspector, D. Torres, and photo shows part or all of the pipe has been removed. Inspector could not verify proper abandonment. Need to coordinate with LMA and owner to determine supporting documentation to support the work completed at this site. This crossing remains urgent due to the details of the extent of the removal. No permit was found to authorizing levee work. (DWR UCIP - O. Magana) 07/06/2016 Pipe diversion off main steam on LS has tape wrapped around its connections, a possible attempt to contain past leakage. Did not see active leakage. Slight sloughing on LS slope at diversion manifold. (DWR UCIP - kfazel)02/13/2014 Pipe disconnected or diverted on LS shoulder and leaking. Water runs down LS slope freely causing erosion. Siphon breaker not visible in CMP riser. Walkway to pump in poor structural condition. (DWR UCIP - pamatya)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Slant pump on a pile structure in the stream. Pipe exposed on the waterside (WS) berm. 36-inch concrete standpipe off the LS toe. 1.5-inch electrical conduit of an unknown material through the levee, 2 feet below the crown, at the same location. (Charlotte K. Hales).
[Additional Reference(s): DWR Levee Log, 1993].
FS Date: 11/29/2017 3:20:29 PM

Photo 2 of 3 : UCIP_SP_2018_52541_54545.jpg



24-inch CMP riser for siphon breaker on LS shoulder.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 4.38 | Rating ** | U | Issue No. | 199 (cont) | |
| LM End | 4.38 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.252959 ° | | 38.252959 ° |
| | | | | -121.600707 ° | | -121.600707 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:52541 DS_ID:22163 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/29/2017 Received updated photo from DWR levee inspector, D. Torres, and photo shows part or all of the pipe has been removed. Inspector could not verify proper abandonment. Need to coordinate with LMA and owner to determine supporting documentation to support the work completed at this site. This crossing remains urgent due to the details of the extent of the removal. No permit was found to authorizing levee work. (DWR UCIP - O. Magana) 07/06/2016 Pipe diversion off main steam on LS has tape wrapped around its connections, a possible attempt to contain past leakage. Did not see active leakage. Slight sloughing on LS slope at diversion manifold. (DWR UCIP - kfazel)02/13/2014 Pipe disconnected or diverted on LS shoulder and leaking. Water runs down LS slope freely causing erosion. Siphon breaker not visible in CMP riser. Walkway to pump in poor structural condition. (DWR UCIP - pamatya) FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Slant pump on a pile structure in the stream. Pipe exposed on the waterside (WS) berm. 36-inch concrete standpipe off the LS toe. 1.5-inch electrical conduit of an unknown material through the levee, 2 feet below the crown, at the same location. (Charlotte K. Hales). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 11/29/2017 3:20:29 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_52541_54544.jpg



Pipe diversion manifold just below siphon breaker on LS slope. Tin diverts water downslope.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.38 | Rating ** | M | Issue No. | 80 |
| LM End | 4.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.252940 ° | 38.251580 ° |
| | | | | -121.600721 ° | -121.601017 ° |
| DWR ID | DWR_RD0003_01_s_2018_80 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.76 | Rating ** | M | Issue No. | 50 |
| LM End | 4.76 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.247563 ° | 38.247563 ° |
| | | | | -121.600865 ° | -121.600865 ° |
| DWR ID | DWR_RD0003_01_s_2013_50 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Ivy covering lower half of landward slope and toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_50_20180305_00038.jpg



Looking northeast at landscaping at lower half of landward slope and toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 4.86 | Rating ** | A/W | Issue No. | 61 |
| LM End | 4.87 | Issue Type + | Ob | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.246000 ° | 38.245952 ° |
| | | | | -121.601000 ° | -121.600835 ° |
| DWR ID | DWR_RD0003_01_f_2017_61 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: | | | | | |
| Site ID No:62 | | | | | |
| Site Designation:113-2039 | | | | | |
| Repair Type: Seepage | | | | | |
| Rating: | | | | | |
| Field Date: | | | | | |
| Notes: | | | | | |

No Photos

| | | | | | |
|----------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.87 | Rating ** | M | Issue No. | 83 |
| LM End | 4.87 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.245903 ° | 38.245903 ° |
| | | | | -121.600851 ° | -121.600851 ° |
| DWR ID | DWR_RD0003_01_f_2017_83 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Landside slope has a depression. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_83_20180305_00075.jpg



Looking east on landside slope.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 5.10 | Rating ** | M | Issue No. | 200 | |
| LM End | 5.10 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.242649 ° | 38.242649 ° | |
| | | | | -121.600854 ° | -121.600854 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31286 DS_ID:24837 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 1.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Pump at the landside (LS) toe. Vent on the waterside (WS) shoulder. This crossing was field discovered. FS Date: 2/13/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_31286_57295.jpg



Pipe and vent visible next to wooden walkway on WS shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 5.10 | Rating ** | M | Issue No. | 200 (cont) |
| LM End | 5.10 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_31286_57294.jpg



Pipe visible on LS shoulder with pump visible at LS toe in background.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 5.10 | Rating ** | M | Issue No. | 200 (cont) | |
| LM End | 5.10 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.242649 ° | 38.242649 ° | |
| | | | | -121.600854 ° | -121.600854 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31286 DS_ID:24837 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 1.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Pump at the landside (LS) toe. Vent on the waterside (WS) shoulder. This crossing was field discovered. FS Date: 2/13/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_31286_57293.jpg



Pump and shutoff valve visible at LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.25 | Rating ** | U | Issue No. | 79 |
| LM End | 5.25 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.240420 ° | 38.240420 ° |
| | | | | -121.601549 ° | -121.601549 ° |
| DWR ID | DWR_RD0003_01_s_2016_79 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Large century plants blocking view of landward slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_79_20180305_00071.jpg



Looking at century plants on landward slope and toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 5.25 | Rating ** | U | Issue No. | 79 (cont) | |
| LM End | 5.25 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.240420 ° | | 38.240420 ° |
| | | | | -121.601549 ° | | -121.601549 ° |
| DWR ID | DWR_RD0003_01_s_2016_79 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| Large century plants blocking view of landward slope. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_24_79_20180305_00072.jpg



Looking at century plants on landward slope and toe.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.33 | Rating ** | M | Issue No. | 43 |
| LM End | 5.36 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239276 ° | 38.238852 ° |
| | | | | -121.601899 ° | -121.602000 ° |
| DWR ID | DWR_RD0003_01_s_2012_43 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_43_20180305_00034.jpg



Looking southeast at ground cover on landward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.46 | Rating ** | U | Issue No. | 58 |
| LM End | 5.46 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.237515 ° | 38.237515 ° |
| | | | | -121.602225 ° | -121.602225 ° |
| DWR ID | DWR_RD0003_01_s_2017_58 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Downed tree with large root ball on landward slope is being cut up and should be removed. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_58_20180403_00177.jpg



Removal of large fallen tree should continue.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|-----------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.49 | Rating ** | U | Issue No. | 44 |
| LM End | 5.49 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.236994 ° | 38.236994 ° |
| | | | | -121.602278 ° | -121.602278 ° |
| DWR ID | DWR_RD0003_01_s_2012_44 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Large century plants. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_44_20180305_00035.jpg



Looking southeast at century plants on landside shoulder and slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.65 | Rating ** | M | Issue No. | 63 |
| LM End | 5.65 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.234721 ° | 38.234721 ° |
| | | | | -121.601709 ° | -121.601709 ° |
| DWR ID | DWR_RD0003_01_f_2016_63 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Large tree limb lays just above surface of landside slope and prevents inspection and access to slope beneath it. It should be removed. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_63_20180403_00178.jpg



Low-lying tree limb should be removed from landside slope.

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.72 | Rating ** | C | Issue No. | 64 |
| LM End | 5.72 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.233767 ° | 38.233767 ° |
| | | | | -121.601469 ° | -121.601469 ° |
| DWR ID | DWR_RD0003_01_s_2012_64 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landowner trimmed landscaping. | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.74 | Rating ** | M | Issue No. | 67 |
| LM End | 5.74 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.233482 ° | 38.233482 ° |
| | | | | -121.601362 ° | -121.601362 ° |
| DWR ID | DWR_RD0003_01_s_2013_67 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation on landward shoulder and slope. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.77 | Rating ** | U | Issue No. | 66 |
| LM End | 5.77 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.233098 ° | 38.233098 ° |
| | | | | -121.601323 ° | -121.601323 ° |
| DWR ID | DWR_RD0003_01_f_2016_66 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Broken tree branches and limbs on waterward slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_66_20180305_00055.jpg



Looking west at tree branches and limbs on waterward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.94 | Rating ** | M | Issue No. | 201 |
| LM End | 5.94 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.230620 ° | 38.230620 ° |
| | | | | -121.601588 ° | -121.601588 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29823 | | | | | |
| DS_ID:22171 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe appears abandoned or in disrepair at siphon/vent on LS shoulder. | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Pipe discharges into a large hole at the landside (LS) toe which is connected to irrigation ditches. Siphon and vent visible on the landside (LS) shoulder. (USACE Unit No. 10, new pipe in 1966 - W. Beck). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.13)]. | | | | | |
| FS Date: 2/11/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 5.94 | Rating ** | M | Issue No. | 201 (cont) |
| LM End | 5.94 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_29823_55105.jpg



Siphon and vent on LS shoulder.

Photo 2 of 3 : UCIP_SP_2018_29823_55104.jpg



Vent on LS shoulder.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 5.94 | Rating ** | M | Issue No. | 201 (cont) | |
| LM End | 5.94 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.230620 ° | 38.230620 ° | |
| | | | | -121.601588 ° | -121.601588 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29823 DS_ID:22171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned or in disrepair at siphon/vent on LS shoulder. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Pipe discharges into a large hole at the landside (LS) toe which is connected to irrigation ditches. Siphon and vent visible on the landside (LS) shoulder. (USACE Unit No. 10, new pipe in 1966 - W. Beck). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.13)]. FS Date: 2/11/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29823_55103.jpg



Irrigation ditch filled with berries on LS toe.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.23 | Rating ** | M | Issue No. | 202 |
| LM End | 6.23 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.226427 ° | 38.226427 ° |
| | | | | -121.601370 ° | -121.601370 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29403 DS_ID:22173 EP_NO: 1392 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump removed from the pile structure in the slough. Concrete standpipe on the landside (LS) toe. Concrete plug on the waterside (WS) end. (Plans for installing a vertical unit irrigation pumping plant with an 18-inch steel pipe through the levee authorized under Permit No. 1392, 1949 - Ednora Stefani). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.83)]. FS Date: 2/11/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29403_54462.jpg



Steel pier on WS toe, pipe visible on ground directly in front of pier on slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.23 | Rating ** | M | Issue No. | 202 (cont) |
| LM End | 6.23 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.226427 ° | 38.226427 ° |
| | | | | -121.601370 ° | -121.601370 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29403 DS_ID:22173 EP_NO: 1392 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump removed from the pile structure in the slough. Concrete standpipe on the landside (LS) toe. Concrete plug on the waterside (WS) end. (Plans for installing a vertical unit irrigation pumping plant with an 18-inch steel pipe through the levee authorized under Permit No. 1392, 1949 - Ednora Stefani). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.83)]. FS Date: 2/11/2014 | | | | | |

Photo 2 of 3 : UCIP_SP_2018_29403_54461.jpg



Concrete plug in abandoned pipe on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.23 | Rating ** | M | Issue No. | 202 (cont) |
| LM End | 6.23 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_29403_54460.jpg



Pipe and concrete standpipe on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start | 6.29 | Rating ** | M | Issue No. | 203 | |
| LM End | 6.29 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.225537 ° | | 38.225537 ° |
| | | | | -121.601312 ° | | -121.601312 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29266 DS_ID:22175 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole in pipe on WS slope may need to be sealed depending on nature of sliplined pipe. FIELD_STRUCT_DESC: 1 of 2: 18-inch steel irrigation siphon through the levee, invert elevation 7 feet below the crown. Primer pump in a pump house on the landside (LS) slope. Pipe has been slip lined with a high-density polyethylene (HDPE) liner. Polyvinyl chloride (PVC) pipe may be attached to the steel pipe on the LS shoulder. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.77)]. FS Date: 2/11/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29266_54159.jpg



Pipe visible next to pumphouse on LS shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.29 | Rating ** | M | Issue No. | 203 (cont) |
| LM End | 6.29 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_29266_54158.jpg



Pump in pumphouse on LS shoulder.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 6.29 | Rating ** | M | Issue No. | 203 (cont) | |
| LM End | 6.29 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.225537 ° | 38.225537 ° | |
| | | | | -121.601312 ° | -121.601312 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29266 DS_ID:22175 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole in pipe on WS slope may need to be sealed depending on nature of sliplined pipe. FIELD_STRUCT_DESC: 1 of 2: 18-inch steel irrigation siphon through the levee, invert elevation 7 feet below the crown. Primer pump in a pump house on the landside (LS) slope. Pipe has been slip lined with a high-density polyethylene (HDPE) liner. Polyvinyl chloride (PVC) pipe may be attached to the steel pipe on the LS shoulder. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.77)]. FS Date: 2/11/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29266_54157.jpg



PVC pipe at LS shoulder.

| | | | | | |
|--------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.32 | Rating ** | M | Issue No. | 84 |
| LM End | 6.62 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.225176 ° | 38.220769 ° |
| | | | | -121.601329 ° | -121.601105 ° |
| DWR ID | DWR_RD0003_01_f_2017_84 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Fence on landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_84_20180305_00076.jpg



Looking east at fence at landside toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.73 | Rating ** | M | Issue No. | 45 |
| LM End | 6.73 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.219427 ° | 38.219427 ° |
| | | | | -121.601921 ° | -121.601921 ° |
| DWR ID | DWR_RD0003_01_s_2018_45 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Fence on landside slope. | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.77 | Rating ** | M | Issue No. | 85 |
| LM End | 6.85 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.218870 ° | 38.217905 ° |
| | | | | -121.602381 ° | -121.603158 ° |
| DWR ID | DWR_RD0003_01_s_2018_85 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.85 | Rating ** | U | Issue No. | 86 |
| LM End | 6.92 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.217905 ° | 38.217060 ° |
| | | | | -121.603158 ° | -121.603717 ° |
| DWR ID | DWR_RD0003_01_s_2018_86 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation along landside toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_86_20180403_00179.jpg



Dense vegetation along landside toe prevents inspection and access.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.85 | Rating ** | M | Issue No. | 204 |
| LM End | 6.85 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.217886 ° | 38.217886 ° |
| | | | | -121.603132 ° | -121.603132 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29258 DS_ID:22179 EP_NO: 853 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker/vent needs proper installation/riser. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS toe. (Plans for the installation of a 6-inch horizontal bolted centrifugal pump together with an 8-inch, 10-gauge welded steel pipe through the levee authorized under Permit No. 853, 1941 - Louis A. Bixler. Plans for installing a 12-inch steel irrigation siphon through the levee authorized under Permit No. 1462, 1950 - Vic Romanini. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.20)]. FS Date: 2/11/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29258_54138.jpg



Pipe visible on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.85 | Rating ** | M | Issue No. | 204 (cont) |
| LM End | 6.85 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_29258_54137.jpg



Siphon breaker/vent visible on LS slope with concrete standpipe visible in background at toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.85 | Rating ** | M | Issue No. | 204 (cont) |
| LM End | 6.85 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.217886 ° | 38.217886 ° |
| | | | | -121.603132 ° | -121.603132 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29258 DS_ID:22179 EP_NO: 853 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker/vent needs proper installation/riser. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS toe. (Plans for the installation of a 6-inch horizontal bolted centrifugal pump together with an 8-inch, 10-gauge welded steel pipe through the levee authorized under Permit No. 853, 1941 - Louis A. Bixler. Plans for installing a 12-inch steel irrigation siphon through the levee authorized under Permit No. 1462, 1950 - Vic Romanini. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.20)]. FS Date: 2/11/2014 | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29258_54136.jpg



Siphon breaker/vent visible on LS slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.95 | Rating ** | U | Issue No. | 87 |
| LM End | 6.95 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.216609 ° | 38.216609 ° |
| | | | | -121.603999 ° | -121.603999 ° |
| DWR ID | DWR_RD0003_01_s_2018_87 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_87_20180403_00180.jpg



Equipment stockpiled at landside toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.99 | Rating ** | M | Issue No. | 205 |
| LM End | 6.99 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.216040 ° | 38.216040 ° |
| | | | | -121.604289 ° | -121.604289 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50428 DS_ID:22346 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Same as last inspection. Annular space needs to be grouted per Title 23. This crossing has been downgraded from Urgent to Non-Urgent because the hole created in the conduit sleeve was deliberate and not a sign of pipe failure. Pipe was flowing at the time of the inspection (possibly via a portable pump). (DWR UCIP - K. Fazel)02/11/2014 Pipe cut open on LS shoulder and along slope. 3.5-inch PVC pipe sleeved through with 2 vents with valves. Pipe annular space not grouted. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: 1 of 2: 12-inch steel irrigation siphon through the levee, invert elevation 3 feet below the crown. Siphon breaker on the landside (LS) shoulder. 3.5-inch polyvinyl chloride (PVC) pipe sleeved through the existing 12-inch pipe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.06)]. FS Date: 7/6/2016 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.99 | Rating ** | M | Issue No. | 205 (cont) |
| LM End | 6.99 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_50428_54124.jpg



Steel pipe visible on WS slope

Photo 2 of 3 : UCIP_SP_2018_50428_54123.jpg



Pipe visible on LS slope with cuts at two places.

| | | | | |
|---|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|---|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 6.99 | Rating ** | M | Issue No. | 205 (cont) | |
| LM End | 6.99 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.216040 ° | 38.216040 ° | |
| | | | | -121.604289 ° | -121.604289 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50428 DS_ID:22346 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Same as last inspection. Annular space needs to be grouted per Title 23. This crossing has been downgraded from Urgent to Non-Urgent because the hole created in the conduit sleeve was deliberate and not a sign of pipe failure. Pipe was flowing at the time of the inspection (possibly via a portable pump). (DWR UCIP - K. Fazel)02/11/2014 Pipe cut open on LS shoulder and along slope. 3.5-inch PVC pipe sleeved through with 2 vents with valves. Pipe annular space not grouted. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: 1 of 2: 12-inch steel irrigation siphon through the levee, invert elevation 3 feet below the crown. Siphon breaker on the landside (LS) shoulder. 3.5-inch polyvinyl chloride (PVC) pipe sleeved through the existing 12-inch pipe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.06)]. FS Date: 7/6/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_50428_54122.jpg



3.5-inch PVC pipe sleeved through pipe on LS shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.00 | Rating ** | M | Issue No. | 206 |
| LM End | 7.00 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.216044 ° | 38.216044 ° |
| | | | | -121.604311 ° | -121.604311 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50427
DS_ID:22180
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/06/2016 Same as last inspection. Annular space needs to be grouted per Title 23. This crossing has been downgraded from Urgent to Non-Urgent because the deformed nature of the pipe is not indicative of imminent failure. (DWR UCIP - K. Fazel)02/11/2014 Pipe sleeved with a PVC pipe that is crushed on the WS slope. Annular space not grouted. (DWR FPIIB - G. Wylie)
FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation siphon through the levee, invert elevation 3.1 feet below the crown. Siphon breaker on the landside (LS) shoulder. 14-inch pipe sleeved with a smaller diameter polyvinyl chloride (PVC) pipe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993, referenced as 3 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 19.06)].
FS Date: 7/6/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 7.00 | Rating ** | M | Issue No. | 206 (cont) |
| LM End | 7.00 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_50427_54133.jpg



Pipe visible on WS slope, PVC pipe exposed and crushed on WS slope.

Photo 2 of 3 : UCIP_SP_2018_50427_54132.jpg



PVC pipe visible on LS slope.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.00 | Rating ** | M | Issue No. | 206 (cont) | |
| LM End | 7.00 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.216044 ° | 38.216044 ° | |
| | | | | -121.604311 ° | -121.604311 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50427 DS_ID:22180 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Same as last inspection. Annular space needs to be grouted per Title 23. This crossing has been downgraded from Urgent to Non-Urgent because the deformed nature of the pipe is not indicative of imminent failure. (DWR UCIP - K. Fazel)02/11/2014 Pipe sleeved with a PVC pipe that is crushed on the WS slope. Annular space not grouted. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation siphon through the levee, invert elevation 3.1 feet below the crown. Siphon breaker on the landside (LS) shoulder. 14-inch pipe sleeved with a smaller diameter polyvinyl chloride (PVC) pipe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993, referenced as 3 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 19.06)]. FS Date: 7/6/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_50427_54131.jpg



Siphon breaker on PVC pipe on LS slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.02 | Rating ** | M | Issue No. | 88 |
| LM End | 7.02 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.215711 ° | 38.215711 ° |
| | | | | -121.604581 ° | -121.604581 ° |
| DWR ID | DWR_RD0003_01_s_2018_88 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.10 | Rating ** | M | Issue No. | 207 |
| LM End | 7.10 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.214684 ° | 38.214684 ° |
| | | | | -121.605242 ° | -121.605242 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29924 DS_ID:22181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 3 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. 4-foot concrete standpipe at the LS toe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.89)]. FS Date: 2/11/2014 | | | | | |

Photo 1 of 2 : UCIP_SP_2018_29924_55248.jpg



Siphon breaker in CMP riser on LS shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 7.10 | Rating ** | M | Issue No. | 207 (cont) |
| LM End | 7.10 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_SP_2018_29924_55247.jpg



Concrete standpipe on LS toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.44 | Rating ** | M | Issue No. | 89 |
| LM End | 7.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.210200 ° | 38.210200 ° |
| | | | | -121.607809 ° | -121.607809 ° |
| DWR ID | DWR_RD0003_01_s_2018_89 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Low leaning tree on waterside is beginning to inhibit inspection and access. Should be removed. | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.61 | Rating ** | U | Issue No. | 90 |
| LM End | 7.63 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.208017 ° | 38.207700 ° |
| | | | | -121.609185 ° | -121.609342 ° |
| DWR ID | DWR_RD0003_01_s_2018_90 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_90_20180403_00181.jpg



Landside landscaping inhibits inspection and access.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.63 | Rating ** | U | Issue No. | 74 |
| LM End | 7.63 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.207666 ° | 38.207666 ° |
| | | | | -121.609327 ° | -121.609327 ° |
| DWR ID | DWR_RD0003_01_s_2012_74 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_74_20180305_00066.jpg



Buildings obstruct access and visibility of levee slope and toe.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.64 | Rating ** | U | Issue No. | 75 |
| LM End | 7.64 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.207640 ° | 38.207640 ° |
| | | | | -121.609334 ° | -121.609334 ° |
| DWR ID | DWR_RD0003_01_s_2012_75 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_75_20180305_00067.jpg



Looking southwest at landscaping in front of a house on waterside berm.
Also not in the picture a building on landside berm.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.68 | Rating ** | M | Issue No. | 76 |
| LM End | 7.68 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.207036 ° | 38.207036 ° |
| | | | | -121.609540 ° | -121.609540 ° |
| DWR ID | DWR_RD0003_01_s_2012_76 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.74 | Rating ** | M | Issue No. | 91 |
| LM End | 7.76 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.206207 ° | 38.205813 ° |
| | | | | -121.609606 ° | -121.609607 ° |
| DWR ID | DWR_RD0003_01_s_2018_91 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.76 | Rating ** | M | Issue No. | 208 |
| LM End | 7.76 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.205846 ° | 38.205846 ° |
| | | | | -121.609574 ° | -121.609574 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:31283 DS_ID:24836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch galvanized iron irrigation pipe through the levee, at an unknown depth. Pipe and spigot visible at the waterside (WS) toe. A second spigot on the landside (LS) slope. This crossing was field discovered. FS Date: 2/11/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_31283_57282.jpg



Shutoff valve next to LS ramp

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 7.76 | Rating ** | M | Issue No. | 208 (cont) |
| LM End | 7.76 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_31283_57281.jpg



Shutoff valve next to LS ramp

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.76 | Rating ** | M | Issue No. | 208 (cont) | |
| LM End | 7.76 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.205846 ° | 38.205846 ° | |
| | | | | -121.609574 ° | -121.609574 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31283 DS_ID:24836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch galvanized iron irrigation pipe through the levee, at an unknown depth. Pipe and spigot visible at the waterside (WS) toe. A second spigot on the landside (LS) slope. This crossing was field discovered. FS Date: 2/11/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_31283_57280.jpg



Pipe visible at WS toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 78 |
| LM End | 8.25 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.205243 ° | 38.198989 ° |
| | | | | -121.609689 ° | -121.611815 ° |
| DWR ID | DWR_RD0003_01_s_2012_78 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Trees within 10' of levee toe obstruct access and visibility of levee toe. | | | | | |

Photo 1 of 3 : SP_2018_RD0003_24_78_20180305_00069.jpg



Looking eastly at trees blocking view of landward toe. (Fall 2015)

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 78 (cont) | |
| LM End | 8.25 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.205243 ° | | 38.198989 ° |
| | | | | -121.609689 ° | | -121.611815 ° |
| DWR ID | DWR_RD0003_01_s_2012_78 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Trees within 10' of levee toe obstruct access and visibility of levee toe. | | | | | | |

Photo 2 of 3 : SP_2018_RD0003_24_78_20180305_00070.jpg

Trees within 10' of levee toe obstruct access and visibility of levee toe.
(Fall 2014)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 78 (cont) |
| LM End | 8.25 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : SP_2018_RD0003_24_78_20180403_00182.jpg



Closely spaced trees along toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.89 | Rating ** | M | Issue No. | 25 |
| LM End | 7.94 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.203945 ° | 38.203283 ° |
| | | | | -121.609932 ° | -121.610025 ° |
| DWR ID | DWR_RD0003_01_s_2012_25 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Owner is in the process of removing thick landscaping on 4/3/2018. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_25_20180305_00028.jpg

Landscaping (Ivy) on landside slope blocking view of levee from LM 7.89
to 7.94

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 209 |
| LM End | 8.13 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.200683 ° | 38.200683 ° |
| | | | | -121.610851 ° | -121.610851 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:29235
DS_ID:22186
EP_NO: 2225
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: CMP riser knocked over and no sign of siphon breaker.
FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Service pole and siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pump in a pump house and a booster pump on a concrete slab on the waterside (WS) slope. (Plans to install an 8-inch irrigation pipe through the levee and an inclined pump on the WS slope authorized under Permit No. 2225, 1955 - Fay Ranch, Captain N. A. Fay, care of The River Lines, Inc. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (17.92)].
FS Date: 2/11/2014

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 209 (cont) |
| LM End | 8.13 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_29235_54053.jpg



Pipe visible on WS toe.

Photo 2 of 3 : UCIP_SP_2018_29235_54052.jpg



Pump and gate valve visible inside pumphouse on WS shoulder.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 8.13 | Rating ** | M | Issue No. | 209 (cont) | |
| LM End | 8.13 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.200683 ° | 38.200683 ° | |
| | | | | -121.610851 ° | -121.610851 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29235 DS_ID:22186 EP_NO: 2225 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser knocked over and no sign of siphon breaker. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Service pole and siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pump in a pump house and a booster pump on a concrete slab on the waterside (WS) slope. (Plans to install an 8-inch irrigation pipe through the levee and an inclined pump on the WS slope authorized under Permit No. 2225, 1955 - Fay Ranch, Captain N. A. Fay, care of The River Lines, Inc. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (17.92)]. FS Date: 2/11/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29235_54051.jpg



Pump and tank on WS shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start | 8.25 | Rating ** | M | Issue No. | 210 | |
| LM End | 8.25 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.198987 ° | | 38.198987 ° |
| | | | | -121.611816 ° | | -121.611816 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29233 | | | | | | |
| DS_ID:22187 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Siphon breaker and CMP riser missing from LS slope. | | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the | | | | | | |
| levee, invert elevation 3.5 feet below the crown. Primer pump in a pump | | | | | | |
| house and a siphon breaker in a corrugated metal pipe (CMP) riser on | | | | | | |
| the landside (LS) slope. 48-inch concrete standpipe at the LS toe. | | | | | | |
| (USACE Unit No. 10, new pipe installed in 1967). [Additional | | | | | | |
| Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M | | | | | | |
| Manual 104, February 1960, (RM 17.79)]. | | | | | | |
| FS Date: 2/11/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29233_54047.jpg



Pipe visible on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 8.25 | Rating ** | M | Issue No. | 210 (cont) |
| LM End | 8.25 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_29233_54046.jpg



Pipe, pumphouse, and standpipe visible on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 8.25 | Rating ** | M | Issue No. | 210 (cont) | |
| LM End | 8.25 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.198987 ° | | 38.198987 ° |
| | | | | -121.611816 ° | | -121.611816 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29233 | | | | | | |
| DS_ID:22187 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Siphon breaker and CMP riser missing from LS slope. | | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the | | | | | | |
| levee, invert elevation 3.5 feet below the crown. Primer pump in a pump | | | | | | |
| house and a siphon breaker in a corrugated metal pipe (CMP) riser on | | | | | | |
| the landside (LS) slope. 48-inch concrete standpipe at the LS toe. | | | | | | |
| (USACE Unit No. 10, new pipe installed in 1967). [Additional | | | | | | |
| Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M | | | | | | |
| Manual 104, February 1960, (RM 17.79)]. | | | | | | |
| FS Date: 2/11/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29233_54045.jpg



Concrete standpipe on LS toe.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.39 | Rating ** | C | Issue No. | 94 |
| LM End | 8.39 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.197202 ° | 38.197202 ° |
| | | | | -121.612962 ° | -121.612962 ° |
| DWR ID | DWR_RD0003_01_s_2013_94 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.39 | Rating ** | M | Issue No. | 17 |
| LM End | 8.44 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.197194 ° | 38.196650 ° |
| | | | | -121.612947 ° | -121.613383 ° |
| DWR ID | DWR_RD0003_01_s_2012_17 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.88 | Rating ** | M | Issue No. | 59 |
| LM End | 8.88 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.193217 ° | 38.193217 ° |
| | | | | -121.620050 ° | -121.620050 ° |
| DWR ID | DWR_RD0003_01_s_2017_59 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Pruning pile on landward slope | | | | | |

Photo 1 of 1 : SP_2018_RD0003_24_59_20180305_00047.jpg



Looking east at pruning piles on landward berm.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.12 | Rating ** | M | Issue No. | 211 |
| LM End | 9.12 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.192292 ° | 38.192292 ° |
| | | | | -121.624395 ° | -121.624395 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29187 DS_ID:22202 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space between 12 and 14-inch pipes not grouted. FIELD_STRUCT_DESC: 14-inch steel irrigation siphon through the levee, invert elevation 2.9 feet below the crown. 14-inch pipe sleeved with a 12-inch pipe. Vent and siphon breaker on the landside (LS) shoulder. Concrete distribution box and gate valve at the LS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as a 16-inch pipe sleeved with a 12-inch pipe. USACE Sacramento O&M Manual 104, February 1960, (RM 16.92), referenced as a 16-inch pipe sleeved with a 14-inch pipe]. FS Date: 2/11/2014 11:00:22 AM | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29187_53952.jpg



Pipe, siphon breaker/vent, and distribution box visible on LS.

| | | | | | |
|----------|------|--------------|----|------------|------------|
| LM Start | 9.12 | Rating ** | M | Issue No. | 211 (cont) |
| LM End | 9.12 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_29187_53951.jpg



Pipe visible on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.12 | Rating ** | M | Issue No. | 211 (cont) | |
| LM End | 9.12 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.192292 ° | 38.192292 ° | |
| | | | | -121.624395 ° | -121.624395 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29187 DS_ID:22202 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space between 12 and 14-inch pipes not grouted. FIELD_STRUCT_DESC: 14-inch steel irrigation siphon through the levee, invert elevation 2.9 feet below the crown. 14-inch pipe sleeved with a 12-inch pipe. Vent and siphon breaker on the landside (LS) shoulder. Concrete distribution box and gate valve at the LS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as a 16-inch pipe sleeved with a 12-inch pipe. USACE Sacramento O&M Manual 104, February 1960, (RM 16.92), referenced as a 16-inch pipe sleeved with a 14-inch pipe]. FS Date: 2/11/2014 11:00:22 AM | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29187_53950.jpg



Annular space not grouted between pipes.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.24 | Rating ** | M | Issue No. | 93 |
| LM End | 9.31 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.192488 ° | 38.192820 ° |
| | | | | -121.626512 ° | -121.627731 ° |
| DWR ID | DWR_RD0003_01_s_2018_93 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Trees should be trimmed to at least 5 feet above levee slope and toe to allow inspection and access. | | | | | |

No Photos

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.14 | Rating ** | M | Issue No. | 95 |
| LM End | 10.14 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.188424 ° | 38.188424 ° |
| | | | | -121.641517 ° | -121.641517 ° |
| DWR ID | DWR_RD0003_01_s_2018_95 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 10.15 | Rating ** | A/W | Issue No. | 72 | |
| LM End | 10.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.188431 ° | 38.187803 ° | |
| | | | | -121.641703 ° | -121.642478 ° | |
| DWR ID | DWR_RD0003_01_f_2017_72 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description:District station 536+35 to 539+47, Sec. 16, T. 4 N. R. 3 E., M.D.M. The waterside slope experienced sloughing and erosion along approximately 312 linear feet of Steamboat Slough (Unit 1). Sloughing commences at approximately 1/4 of the way down the slope from the crown and extends to the rip rap. | | | | | | |
| Site ID No:277 | | | | | | |
| Site Designation:LMA-103 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Area of Concern | | | | | | |
| Field Date:7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 1 of 3 : SP_2018_RD0003_24_72_20180305_00060.jpg



38.18866, -121.64134, 25.0m, 4'
Jul 26, 2017 9:58:57 AM

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|---------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 10.15 | Rating ** | A/W | Issue No. | 72 (cont) | |
| LM End | 10.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.188431 ° | 38.187803 ° | |
| | | | | -121.641703 ° | -121.642478 ° | |
| DWR ID | DWR_RD0003_01_f _ 2017_72 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description:District station 536+35 to 539+47, Sec. 16, T. 4 N. R. 3 E., M.D.M. The waterside slope experienced sloughing and erosion along approximately 312 linear feet of Steamboat Slough (Unit 1). Sloughing commences at approximately 1/4 of the way down the slope from the crown and extends to the rip rap. | | | | | | |
| Site ID No:277 | | | | | | |
| Site Designation:LMA-103 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Area of Concern | | | | | | |
| Field Date:7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 2 of 3 : SP_2018_RD0003_24_72_20180305_00061.jpg



Photo 3 of 3 : SP_2018_RD0003_24_72_20180305_00062.jpg



| | | | | | |
|----------|--------------|--------------|-----|------------|------------------|
| LM Start | 10.15 | Rating ** | A/W | Issue No. | 72 (cont) |
| LM End | 10.21 | Issue Type + | Ma | Location * | |

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|----------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 10.67 | Rating ** | A/W | Issue No. | 73 |
| LM End | 10.92 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.183810 ° | 38.182480 ° |
| | | | | -121.648780 ° | -121.653150 ° |
| DWR ID | DWR_RD0003_01 f _ 2017_73 | | | | |

Comment Code

Inspector Comment

Levee Evaluation Comments

Description:

Site ID No:63

Site Designation:DWR_RD0003_01_R_2012_03

Repair Type: Erosion

Rating:Serious

Field Date:6/8/2017

Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river,

| | | | | | |
|----------|--------------|--------------|-----|------------|------------------|
| LM Start | 10.67 | Rating ** | A/W | Issue No. | 73 (cont) |
| LM End | 10.92 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : SP_2018_RD0003_24_73_20180305_00063.jpg



Photo 2 of 3 : SP_2018_RD0003_24_73_20180305_00064.jpg



| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 10.67 | Rating ** | A/W | Issue No. | 73 (cont) | |
| LM End | 10.92 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | 2017 Storm Damage | | | 38.183810 ° | | 38.182480 ° |
| | | | | -121.648780 ° | | -121.653150 ° |
| DWR ID | DWR_RD0003_01_f_2017_73 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: | | | | | | |
| Site ID No:63 | | | | | | |
| Site Designation:DWR_RD0003_01_R_2012_03 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Serious | | | | | | |
| Field Date:6/8/2017 | | | | | | |
| Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river, | | | | | | |

Photo 3 of 3 : SP_2018_RD0003_24_73_20180305_00065.jpg



| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 10.75 | Rating ** | A/W | Issue No. | 96 |
| LM End | 10.75 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.183422 ° | 38.183422 ° |
| | | | | -121.650182 ° | -121.650182 ° |
| DWR ID | DWR_RD0003_01_s_2013_96 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Erosion extends to waterward shoulder. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_96_20180305_00079.jpg



Looking northwest at erosion on waterward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 10.75 | Rating ** | A/W | Issue No. | 96 (cont) | |
| LM End | 10.75 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Erosion / Bank Caving | | | 38.183422 ° | | 38.183422 ° |
| | | | | -121.650182 ° | | -121.650182 ° |
| DWR ID | DWR_RD0003_01_s_2013_96 | | | | | |
| Comment Code | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | |
| Inspector Comment | | | | | | |
| Erosion extends to waterward shoulder. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_24_96_20180305_00080.jpg



Looking southwest at erosion on waterward slope.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 10.78 | Rating ** | A/W | Issue No. | 97 |
| LM End | 10.80 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.183228 ° | 38.183123 ° |
| | | | | -121.650797 ° | -121.651070 ° |
| DWR ID | DWR_RD0003_01_s_2013_97 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Erosion extends to waterward shoulder. | | | | | |

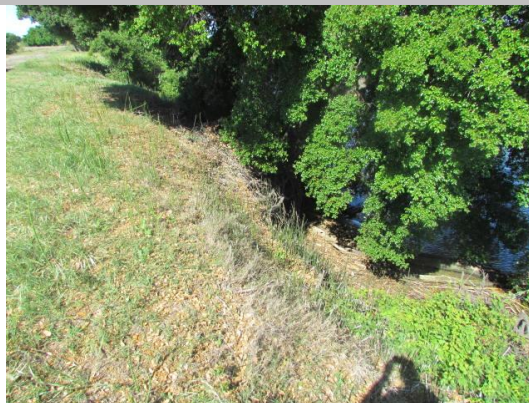
Photo 1 of 2 : SP_2018_RD0003_24_97_20180305_00081.jpg



Looking south at erosion on waterward slope.

| | | | | | |
|----------|--------------|--------------|-----|------------|------------------|
| LM Start | 10.78 | Rating ** | A/W | Issue No. | 97 (cont) |
| LM End | 10.80 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0003_24_97_20180305_00082.jpg



Looking southwest at erosion on waterward slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.79 | Rating ** | M | Issue No. | 92 |
| LM End | 10.92 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.183204 ° | 38.182481 ° |
| | | | | -121.650861 ° | -121.653199 ° |
| DWR ID | DWR_RD0003_01_f_2017_92 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.83 | Rating ** | M | Issue No. | 212 |
| LM End | 10.83 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.182982 ° | 38.182982 ° |
| | | | | -121.651610 ° | -121.651610 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29165 DS_ID:22206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate at the WS toe has been sealed shut with sealant. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. FS Date: 2/11/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29165_53866.jpg



36-inch CMP drainpipe with flapgate on WS toe.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 10.83 | Rating ** | M | Issue No. | 212 (cont) | |
| LM End | 10.83 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.182982 ° | | 38.182982 ° |
| | | | | -121.651610 ° | | -121.651610 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29165 DS_ID:22206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate at the WS toe has been sealed shut with sealant. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. FS Date: 2/11/2014 | | | | | | |

Photo 2 of 3 : UCIP_SP_2018_29165_53865.jpg



Slide gate in 48-inch CMP riser on WS shoulder.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 10.83 | Rating ** | M | Issue No. | 212 (cont) |
| LM End | 10.83 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_29165_53864.jpg



Steel weir on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.83 | Rating ** | M | Issue No. | 213 |
| LM End | 10.83 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.182973 ° | 38.182973 ° |
| | | | | -121.651645 ° | -121.651645 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29164 | | | | | |
| DS_ID:22349 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe appears abandoned and should be verified as having been filled with grout. | | | | | |
| FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Steel intake weir at the landside (LS) toe. Steel plate welded over the pipe on the WS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. | | | | | |
| FS Date: 2/11/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_29164_53862.jpg



Drainpipe visible on WS toe with steel plate welded over end.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 10.83 | Rating ** | M | Issue No. | 213 (cont) |
| LM End | 10.83 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_29164_53861.jpg



48-inch CMP riser with slide gate closed on WS shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 10.83 | Rating ** | M | Issue No. | 213 (cont) | |
| LM End | 10.83 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.182973 ° | 38.182973 ° | |
| | | | | -121.651645 ° | -121.651645 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29164 | | | | | | |
| DS_ID:22349 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pipe appears abandoned and should be verified as having been filled with grout. | | | | | | |
| FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Steel intake weir at the landside (LS) toe. Steel plate welded over the pipe on the WS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. | | | | | | |
| FS Date: 2/11/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29164_53860.jpg



Steel weir on LS toe.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 10.86 | Rating ** | A/W | Issue No. | 98 |
| LM End | 10.89 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.182792 ° | 38.182672 ° |
| | | | | -121.652142 ° | -121.652555 ° |
| DWR ID | DWR_RD0003_01_s_2013_98 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Erosion extends to waterward shoulder. | | | | | |

Photo 1 of 3 : SP_2018_RD0003_24_98_20180305_00083.jpg



Looking north at erosion on waterward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 10.86 | Rating ** | A/W | Issue No. | 98 (cont) | |
| LM End | 10.89 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Erosion / Bank Caving | | | 38.182792 ° | | 38.182672 ° |
| | | | | -121.652142 ° | | -121.652555 ° |
| DWR ID | DWR_RD0003_01_s_2013_98 | | | | | |
| Comment Code | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | |
| Inspector Comment | | | | | | |
| Erosion extends to waterward shoulder. | | | | | | |

Photo 2 of 3 : SP_2018_RD0003_24_98_20180305_00084.jpg



Looking northwest at erosion on waterward shoulder and slope.

| | | | | | |
|----------|--------------|--------------|-----|------------|------------------|
| LM Start | 10.86 | Rating ** | A/W | Issue No. | 98 (cont) |
| LM End | 10.89 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : SP_2018_RD0003_24_98_20180305_00085.jpg



Looking west at erosion on waterward slope.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 10.91 | Rating ** | A/W | Issue No. | 99 |
| LM End | 10.94 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.182537 ° | 38.182388 ° |
| | | | | -121.652987 ° | -121.653388 ° |
| DWR ID | DWR_RD0003_01_s_2013_99 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Erosion extends to waterward shoulder. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_24_99_20180305_00086.jpg



Looking west at erosion on waterward slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|---------------|
| Unit No. 01 Left Bank Steamboat Slough | Left | 10.95 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 10.91 | Rating ** | A/W | Issue No. | 99 (cont) | |
| LM End | 10.94 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Erosion / Bank Caving | | | 38.182537 ° | | 38.182388 ° |
| | | | | -121.652987 ° | | -121.653388 ° |
| DWR ID | DWR_RD0003_01_s_2013_99 | | | | | |
| Comment Code | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | |
| Inspector Comment | | | | | | |
| Erosion extends to waterward shoulder. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_24_99_20180305_00087.jpg



Looking north at erosion on waterward shoulder and slope.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Reclamation District No. 0003 Grand Island

| Waterway | | | Bank | Unit Miles |
|---|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Right Bank Sacramento River | | | Right | 17.35 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 4/3/2018 - 4/4/2018 | | | |
| DWR Inspector | Keith Millard | | | |
| Accompanied By | David Robinson RD 3 | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.17 | Rating ** | M | Issue No. | 3 |
| LM End | 0.17 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.174890 ° | 38.174890 ° |
| | | | | -121.651031 ° | -121.651031 ° |
| DWR ID | DWR_RD0003_02_s_2012_3 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.25 | Rating ** | M | Issue No. | 4 |
| LM End | 0.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.174504 ° | 38.174504 ° |
| | | | | -121.649651 ° | -121.649651 ° |
| DWR ID | DWR_RD0003_02_s_2012_4 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim tree at least 12 feet above ground on levee crown. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_4_20180305_00006.jpg



Looking east at untrimmed tree on landward shoulder.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.30 | Rating ** | M | Issue No. | 5 |
| LM End | 0.32 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.174281 ° | 38.174209 ° |
| | | | | -121.648698 ° | -121.648352 ° |
| DWR ID | DWR_RD0003_02_s_2012_5 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Bamboo sprouts on waterward slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_5_20180305_00007.jpg



Looking southeast at bamboo on waterward slope. (Fall 2016)

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|------------------------|--------------|----|------------------------|----------|---------------|
| LM Start | 0.30 | Rating ** | M | Issue No. | 5 (cont) | |
| LM End | 0.32 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.174281 ° | | 38.174209 ° |
| | | | | -121.648698 ° | | -121.648352 ° |
| DWR ID | DWR_RD0003_02_s_2012_5 | | | | | |
| Comment Code | | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | |
| Inspector Comment | | | | | | |
| Bamboo sprouts on waterward slope. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_5_20180305_00008.jpg



Looking east at bamboo on waterward slope. (Spring 2016)

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.31 | Rating ** | U | Issue No. | 151 |
| LM End | 0.35 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.174235 ° | 38.174109 ° |
| | | | | -121.648479 ° | -121.647870 ° |
| DWR ID | DWR_RD0003_02_s_2016_151 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove young willows along landside toe. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_151_20180305_00129.jpg



Looking west at landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.31 | Rating ** | U | Issue No. | 151 (cont) |
| LM End | 0.35 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_151_20180305_00130.jpg



Looking west at dense vegetation at landward toe.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.46 | Rating ** | C | Issue No. | 128 |
| LM End | 1.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.169500 ° | 38.169370 ° |
| | | | | -121.628832 ° | -121.628573 ° |
| DWR ID | DWR_RD0003_02_s_2017_128 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.57 | Rating ** | U | Issue No. | 129 |
| LM End | 1.57 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.168700 ° | 38.168700 ° |
| | | | | -121.627233 ° | -121.627233 ° |
| DWR ID | DWR_RD0003_02_s_2017_129 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Large fallen tree on waterside slope. | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_129_20180305_00093.jpg



Looking east at waterside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.57 | Rating ** | U | Issue No. | 129 (cont) |
| LM End | 1.57 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : SP_2018_RD0003_25_129_20180305_00094.jpg



Looking east at fallen tree on waterward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---------------------------------------|--------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.57 | Rating ** | U | Issue No. | 129 (cont) | |
| LM End | 1.57 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | Encroachments | | | 38.168700 ° | 38.168700 ° | |
| | | | | -121.627233 ° | -121.627233 ° | |
| DWR ID | DWR_RD0003_02_s_2017_129 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Large fallen tree on waterside slope. | | | | | | |

Photo 3 of 3 : SP_2018_RD0003_25_129_20180305_00095.jpg



Looking northeast at fallen tree on waterward slope.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.66 | Rating ** | M | Issue No. | 954 |
| LM End | 1.66 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.167983 ° | 38.167983 ° |
| | | | | -121.625702 ° | -121.625702 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:31083 DS_ID:22209 EP_NO: 1647 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sag in pavement over pipe on crown and wooden walkway to pump falling apart. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 5.8 feet below the crown. Pump on a pile structure in the channel. Service pole on the landside (LS) slope. 1.5-inch electrical conduit through the levee, 3 feet below the crown. 42-inch concrete standpipe at the LS toe. (Plans for installing a 1.5-inch electrical conduit through the levee authorized under Permit No. 1647, 1952 - Guiseppe and Emma D. Rosellini). [Additional References: DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 16.49)]. FS Date: 2/24/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_31083_56982.jpg



Pump on pier on WS slope.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------------|
| LM Start | 1.66 | Rating ** | M | Issue No. | 954 (cont) |
| LM End | 1.66 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 38.167983 ° | 38.167983 ° | |
| | | | -121.625702 ° | -121.625702 ° | |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:31083
DS_ID:22209
EP_NO: 1647
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Sag in pavement over pipe on crown and wooden walkway to pump falling apart. Good candidate for video inspection.
FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 5.8 feet below the crown. Pump on a pile structure in the channel. Service pole on the landside (LS) slope. 1.5-inch electrical conduit through the levee, 3 feet below the crown. 42-inch concrete standpipe at the LS toe. (Plans for installing a 1.5-inch electrical conduit through the levee authorized under Permit No. 1647, 1952 - Guiseppe and Emma D. Rosellini). [Additional References: DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 16.49)].
FS Date: 2/24/2014

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.66 | Rating ** | M | Issue No. | 954 (cont) |
| LM End | 1.66 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_31083_56981.jpg



Pump on pier on WS slope. Wooden walkway failing.

Photo 3 of 3 : UCIP_SP_2018_31083_56980.jpg



Meter on pole on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 130 |
| LM End | 1.67 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.167880 ° | 38.167880 ° |
| | | | | -121.625572 ° | -121.625572 ° |
| DWR ID | DWR_RD0003_02_s_2017_130 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on waterside slope. | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_130_20180305_00096.jpg



Looking south at the waterside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 130 (cont) |
| LM End | 1.67 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : SP_2018_RD0003_25_130_20180305_00097.jpg



Looking south at fallen tree on waterward slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 130 (cont) |
| LM End | 1.67 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : SP_2018_RD0003_25_130_20180305_00098.jpg



Looking south at root ball of fallen tree on waterward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.88 | Rating ** | U | Issue No. | 70 |
| LM End | 1.93 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.166525 ° | 38.166176 ° |
| | | | | -121.622201 ° | -121.621332 ° |
| DWR ID | DWR_RD0003_02_s_2012_70 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_70_20180305_00055.jpg



Landscaping on levee slope obstructs visibility and access.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.99 | Rating ** | M | Issue No. | 955 |
| LM End | 1.99 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.165863 ° | 38.165863 ° |
| | | | | -121.620321 ° | -121.620321 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:31404 DS_ID:22210 EP_NO: 1114 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1-inch galvanized iron communications conduit through the levee, 4 feet below the crown. This crossing was field discovered. (Plans for the installation of two poles on the levee, one on each slope, and a 1-inch conduit through the levee, between the two poles, authorized under Permit No. 1114, 1946 - Archie A. Beckley). FS Date: 2/24/2014 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 140 |
| LM End | 2.01 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.165740 ° | 38.165740 ° |
| | | | | -121.619970 ° | -121.619970 ° |
| DWR ID | DWR_RD0003_02_f_2015_140 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Prunings piles on waterside slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_140_20180305_00112.jpg



Looking south at the waterside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 140 (cont) |
| LM End | 2.01 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0003_25_140_20180305_00113.jpg



Looking at tree branches and tree limbs on waterward shoulder and slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.39 | Rating ** | M | Issue No. | 956 |
| LM End | 2.39 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.164366 ° | 38.164366 ° |
| | | | | -121.613225 ° | -121.613225 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:31026
DS_ID:22211
EP_NO: 2986
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Trench over pipe on LS toe may indicate damage to pipe. Repair pipe and fill trench.
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installation of a pumping plant on the levee authorized under Permit No. 2986, 1959 - Ike Craven). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.25), referenced as invert elevation 4 feet below the crown].
FS Date: 2/24/2014

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.39 | Rating ** | M | Issue No. | 956 (cont) |
| LM End | 2.39 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_31026_56909.jpg



Pump, pipe, gate valve, and electrical conduit visible on WS slope.

Photo 2 of 3 : UCIP_SP_2018_31026_56908.jpg



Pipe, meter, power pole, and concrete standpipe visible on LS slope/toe.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 2.39 | Rating ** | M | Issue No. | 956 (cont) | |
| LM End | 2.39 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.164366 ° | | 38.164366 ° |
| | | | | -121.613225 ° | | -121.613225 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31026 DS_ID:22211 EP_NO: 2986 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Trench over pipe on LS toe may indicate damage to pipe. Repair pipe and fill trench. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installation of a pumping plant on the levee authorized under Permit No. 2986, 1959 - Ike Craven). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.25), referenced as invert elevation 4 feet below the crown]. FS Date: 2/24/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_31026_56907.jpg



Trench excavated over pipe at Standpipe/LS toe.

| | | | | | |
|----------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.44 | Rating ** | M | Issue No. | 30 |
| LM End | 2.44 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.164379 ° | 38.164379 ° |
| | | | | -121.612455 ° | -121.612455 ° |
| DWR ID | DWR_RD0003_02_f_2013_30 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus at landside toe and berm. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_30_20180305_00031.jpg



Looking north at the landside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|----------------------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.44 | Rating ** | M | Issue No. | 30 (cont) | |
| LM End | 2.44 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.164379 ° | | 38.164379 ° |
| | | | | -121.612455 ° | | -121.612455 ° |
| DWR ID | DWR_RD0003_02_f_2013_30 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| Cactus at landside toe and berm. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_30_20180305_00032.jpg



Looking northeast at cactus and untrimmed trees at landward toe.

| | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.67 | Rating ** | M | Issue No. | 141 |
| LM End | 2.70 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.164642 ° | 38.164687 ° |
| | | | | -121.608140 ° | -121.607683 ° |
| DWR ID | DWR_RD0003_02_f_2015_141 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Chicken pens stored at landside toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_141_20180305_00114.jpg



Looking north at chicken pens at landward toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.68 | Rating ** | M | Issue No. | 131 |
| LM End | 2.72 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.164652 ° | 38.164765 ° |
| | | | | -121.607927 ° | -121.607212 ° |
| DWR ID | DWR_RD0003_02_s_2017_131 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.70 | Rating ** | M | Issue No. | 957 | |
| LM End | 2.70 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.164672 ° | 38.164672 ° | |
| | | | | -121.607607 ° | -121.607607 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31025 DS_ID:22212 EP_NO: 1289 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. Service pole on the landside (LS) with a 1.5-inch electrical conduit through the levee at the same location. (Plans for installing an irrigation pumping plant and a 6-inch steel pipe through the levee authorized under Permit No. 1289, 1948 - Carlos Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.56)]. FS Date: 2/24/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.70 | Rating ** | M | Issue No. | 957 (cont) |
| LM End | 2.70 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_31025_56906.jpg



Pipe, pump, and gate valve on WS slope.

Photo 2 of 3 : UCIP_SP_2018_31025_56905.jpg



Pump and gate valve on WS slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.70 | Rating ** | M | Issue No. | 957 (cont) | |
| LM End | 2.70 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.164672 ° | 38.164672 ° | |
| | | | | -121.607607 ° | -121.607607 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31025 DS_ID:22212 EP_NO: 1289 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. Service pole on the landside (LS) with a 1.5-inch electrical conduit through the levee at the same location. (Plans for installing an irrigation pumping plant and a 6-inch steel pipe through the levee authorized under Permit No. 1289, 1948 - Carlos Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.56)]. FS Date: 2/24/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_31025_56904.jpg



Pipe on LS slope.

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.80 | Rating ** | M | Issue No. | 96 |
| LM End | 2.80 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.164945 ° | 38.164945 ° |
| | | | | -121.605874 ° | -121.605874 ° |
| DWR ID | DWR_RD0003_02_f_2013_96 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Pruning piles at landside toe. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_96_20180305_00082.jpg



Looking north at the landside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.80 | Rating ** | M | Issue No. | 96 (cont) | |
| LM End | 2.80 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.164945 ° | | 38.164945 ° |
| | | | | -121.605874 ° | | -121.605874 ° |
| DWR ID | DWR_RD0003_02_f_2013_96 | | | | | |
| Comment Code | | | | | | |
| PR : Prunings | | | | | | |
| Inspector Comment | | | | | | |
| Pruning piles at landside toe. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_96_20180305_00083.jpg



Looking west at pruning piles on landward toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.20 | Rating ** | M | Issue No. | 7 |
| LM End | 3.20 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.167808 ° | 38.167808 ° |
| | | | | -121.599557 ° | -121.599557 ° |
| DWR ID | DWR_RD0003_02_s_2012_7 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation on landside slope and toe. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_7_20180305_00009.jpg



Looking northwest at the landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 3.20 | Rating ** | M | Issue No. | 7 (cont) |
| LM End | 3.20 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_7_20180305_00010.jpg



Looking north at fig tree at landward toe.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start | 3.30 | Rating ** | M | Issue No. | 958 | |
| LM End | 3.30 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.168754 ° | | 38.168754 ° |
| | | | | -121.598196 ° | | -121.598196 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30983 DS_ID:22217 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve on a concrete pad on the waterside (WS) slope. Meter pole at the landside (LS) toe with a 1.5-inch electrical conduit through the levee at the same location. (Lillie). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.17)]. FS Date: 2/24/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 3.30 | Rating ** | M | Issue No. | 958 (cont) |
| LM End | 3.30 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30983_56877.jpg



Pump on concrete platform on WS slope.

Photo 2 of 3 : UCIP_SP_2018_30983_56876.jpg



Pipe visible at LS toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.30 | Rating ** | M | Issue No. | 958 (cont) | |
| LM End | 3.30 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.168754 ° | 38.168754 ° | |
| | | | | -121.598196 ° | -121.598196 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30983 | | | | | | |
| DS_ID:22217 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pipe appears abandoned and if so should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve on a concrete pad on the waterside (WS) slope. Meter pole at the landside (LS) toe with a 1.5-inch electrical conduit through the levee at the same location. (Lillie). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.17)]. | | | | | | |
| FS Date: 2/24/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30983_56875.jpg



Meter on powerpole on LS toe.

| | | | | | |
|--------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.30 | Rating ** | U | Issue No. | 154 |
| LM End | 3.30 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.168750 ° | 38.168750 ° |
| | | | | -121.598152 ° | -121.598152 ° |
| DWR ID | DWR_RD0003_02_f_2017_154 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Downed tree on landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_154_20180305_00134.jpg



Looking northwest at the landside slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.33 | Rating ** | M | Issue No. | 46 |
| LM End | 3.33 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.169061 ° | 38.169061 ° |
| | | | | -121.597765 ° | -121.597765 ° |
| DWR ID | DWR_RD0003_02_s_2012_46 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Iceplant and trees blocking view of landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_46_20180305_00040.jpg



Looking northeast at landscaping blocking view of landward slope.

| | | | | | |
|--------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.40 | Rating ** | M | Issue No. | 179 |
| LM End | 3.40 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.169861 ° | 38.169861 ° |
| | | | | -121.596926 ° | -121.596926 ° |
| DWR ID | DWR_RD0003_02_s_2018_179 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on landside slope. | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.44 | Rating ** | M | Issue No. | 180 |
| LM End | 3.44 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.170293 ° | 38.170293 ° |
| | | | | -121.596497 ° | -121.596497 ° |
| DWR ID | DWR_RD0003_02_s_2018_180 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree at landside toe blocks access. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_180_20180403_00284.jpg



Fallen tree at landside toe should be removed.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.47 | Rating ** | M | Issue No. | 181 |
| LM End | 3.47 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.170682 ° | 38.170682 ° |
| | | | | -121.596151 ° | -121.596151 ° |
| DWR ID | DWR_RD0003_02_s_2018_181 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Large low palm tree inhibits inspection and access to landside toe. | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.67 | Rating ** | M | Issue No. | 8 |
| LM End | 3.82 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.173242 ° | 38.175118 ° |
| | | | | -121.594305 ° | -121.592925 ° |
| DWR ID | DWR_RD0003_02_s_2012_8 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.76 | Rating ** | M | Issue No. | 195 |
| LM End | 11.64 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.174276 ° | 38.242001 ° |
| | | | | -121.593518 ° | -121.516235 ° |
| DWR ID | DWR_RD0003_02_s_2018_195 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start | 3.77 | Rating ** | M | Issue No. | 959 | |
| LM End | 3.77 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.174448 ° | | 38.174448 ° |
| | | | | -121.593385 ° | | -121.593385 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30963 DS_ID:22221 EP_NO: 1283 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit for 12-inch pipe and pump on pier. Unable to identify permit for 6-inch pipe. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 6 feet below the crown. Pump, shutoff valve, power pole, and vent at the landside (LS) toe. 6-inch steel pipe appears to be sleeved through the 12-inch pipe. 1.5-inch steel electrical conduit at the same location. (Plans for installing a pumping plant and a 12-inch pipe through the levee authorized under Permit No. 1283, 1948 - Manuel E. and Frank E. Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.66)]. FS Date: 2/24/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30963_56862.jpg



Pump, shutoff, power pole, and vent on LS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 3.77 | Rating ** | M | Issue No. | 959 (cont) |
| LM End | 3.77 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30963_56861.jpg



Pipe visible to right of walkway on LS slope and in water.

| | | | | | |
|--|--|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.77 | Rating ** | M | Issue No. | 959 (cont) | |
| LM End | 3.77 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.174448 ° | 38.174448 ° | |
| | | | | -121.593385 ° | -121.593385 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30963 | | | | | | |
| DS_ID:22221 | | | | | | |
| EP_NO: 1283 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Indicator Found | | | | | | |
| UCIP Comments: Permit for 12-inch pipe and pump on pier. Unable to identify permit for 6-inch pipe. | | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 6 feet below the crown. Pump, shutoff valve, power pole, and vent at the landside (LS) toe. 6-inch steel pipe appears to be sleeved through the 12-inch pipe. 1.5-inch steel electrical conduit at the same location. (Plans for installing a pumping plant and a 12-inch pipe through the levee authorized under Permit No. 1283, 1948 - Manuel E. and Frank E. Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.66)]. | | | | | | |
| FS Date: 2/24/2014 | | | | | | |

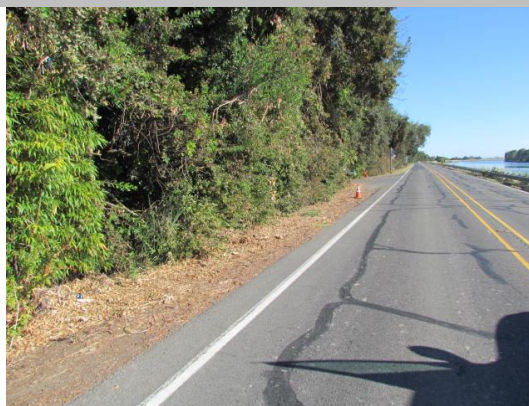
Photo 3 of 3 : UCIP_SP_2018_30963_56860.jpg



Pipe visible to right of walkway on LS slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.77 | Rating ** | U | Issue No. | 953 |
| LM End | 3.83 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.174497 ° | 38.175243 ° |
| | | | | -121.593392 ° | -121.592930 ° |
| DWR ID | DWR_RD0003_02_s_2012_953 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_953_20180305_00151.jpg



Looking northwest at dense trees on landward shoulder and slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.11 | Rating ** | U | Issue No. | 145 |
| LM End | 4.11 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.178779 ° | 38.178779 ° |
| | | | | -121.590425 ° | -121.590425 ° |
| DWR ID | DWR_RD0003_02_f_2015_145 | | | | |
| Comment Code | | | | | |
| V7 : Trees / Woody Vegetation | | | | | |
| Inspector Comment | | | | | |
| Century plants on waterside shoulder and slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_145_20180305_00121.jpg



Looking northeast at century plants on waterward shoulder and slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.11 | Rating ** | U | Issue No. | 143 |
| LM End | 4.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.178782 ° | 38.178782 ° |
| | | | | -121.590418 ° | -121.590418 ° |
| DWR ID | DWR_RD0003_02_f_2015_143 | | | | |
| Comment Code | | | | | |
| V7 : Trees / Woody Vegetation | | | | | |
| Inspector Comment | | | | | |
| Large century plants on landside shoulder and slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_143_20180305_00118.jpg



Looking north at century plants on landward shoulder and slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.14 | Rating ** | M | Issue No. | 48 |
| LM End | 4.14 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.179160 ° | 38.179160 ° |
| | | | | -121.590247 ° | -121.590247 ° |
| DWR ID | DWR_RD0003_02_s_2012_48 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_48_20180305_00041.jpg



Looking southwest at dense trees on landward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.24 | Rating ** | M | Issue No. | 10 |
| LM End | 4.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.180361 ° | 38.180361 ° |
| | | | | -121.589127 ° | -121.589127 ° |
| DWR ID | DWR_RD0003_02_s_2012_10 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Dense untrimmed trees on landside slope and toe. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 4.24 | Rating ** | M | Issue No. | 10 (cont) |
| LM End | 4.24 | Issue Type + | Ma | Location * | LS |

Photo 1 of 2 : SP_2018_RD0003_25_10_20180305_00013.jpg



Looking north at untrimmed trees on landward slope and toe. (Fall 2016)

Photo 2 of 2 : SP_2018_RD0003_25_10_20180305_00014.jpg



Looking west at untrimmed tree on landward slope. (Spring 2016)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.25 | Rating ** | U | Issue No. | 92 |
| LM End | 4.32 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.180483 ° | 38.181330 ° |
| | | | | -121.589119 ° | -121.588480 ° |
| DWR ID | DWR_RD0003_02_s_2012_92 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Ground cover, palm tree and other vegetation blocking view of landside slope and toe. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_92_20180305_00078.jpg



| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.25 | Rating ** | U | Issue No. | 92 (cont) |
| LM End | 4.32 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.180483 ° | 38.181330 ° |
| | | | | -121.589119 ° | -121.588480 ° |
| DWR ID | DWR_RD0003_02_s_2012_92 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Ground cover, palm tree and other vegetation blocking view of landside slope and toe. | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_92_20180305_00079.jpg



Looking south at groundcover and other vegetation on landward slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.29 | Rating ** | M | Issue No. | 194 |
| LM End | 4.49 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.181066 ° | 38.183516 ° |
| | | | | -121.588662 ° | -121.586687 ° |
| DWR ID | DWR_RD0003_02_s_2018_194 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
| | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.40 | Rating ** | U | Issue No. | 960 |
| LM End | 4.40 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.182261 ° | 38.182261 ° |
| | | | | -121.587652 ° | -121.587652 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51426
DS_ID:22224
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/06/2016 Same as last inspection. Open pipe on WS may be partially plugged. Unclear whether open pipe beneath pump platform connects to pump and crossing that rest above platform or if they are two separate crossings. If they are connected, positive closure device on pump may prevent backflow. Appears abandoned. (DWR UCIP - K. Fazel)02/24/2014 Pipe open on WS toe-visible under pump at WS toe. Pipe abandoned and should be done so properly. (DWR UCIP - G. Wylie)
FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, 5.4 feet below the crown. Pipe visible beneath a pump platform on the waterside (WS). Another larger steel pipe (DSID 22223) visible through the WS slope and connected to a centrifugal pump with a closure valve resting over a platform on the WS. 2-inch electrical conduit through the levee at the same location leads to service pole on the landside (LS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 19.39)]. Levee Log mentions the 6-inch pipe is plugged and cut off.
FS Date: 7/6/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.40 | Rating ** | U | Issue No. | 960 (cont) |
| LM End | 4.40 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_51426_56825.jpg



Approximate location of pipe on LS toe.

Photo 2 of 3 : UCIP_SP_2018_51426_56824.jpg



Pipe visible under pump on WS slope.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 4.40 | Rating ** | U | Issue No. | 960 (cont) | |
| LM End | 4.40 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.182261 ° | 38.182261 ° | |
| | | | | -121.587652 ° | -121.587652 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:51426 DS_ID:22224 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Same as last inspection. Open pipe on WS may be partially plugged. Unclear whether open pipe beneath pump platform connects to pump and crossing that rest above platform or if they are two seperate crossings. If they are connected, positive closure device on pump may prevent backflow. Appears abandoned. (DWR UCIP - K. Fazel)02/24/2014 Pipe open on WS toe-visible under pump at WS toe. Pipe abandoned and should be done so properly. (DWR UCIP - G. Wylie) FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, 5.4 feet below the crown. Pipe visible beneath a pump platform on the waterside (WS). Another larger steel pipe (DSID 22223) visible through the WS slope and connected to a centrifugal pump with a closure valve resting over a platform on the WS. 2-inch electrical conduit through the levee at the same location leads to service pole on the landside (LS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 19.39)]. Levee Log mentions the 6-inch pipe is plugged and cut off. FS Date: 7/6/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_51426_75547.jpg



LS view; standpipe and power pole off LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.61 | Rating ** | M | Issue No. | 193 |
| LM End | 5.47 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.184874 ° | 38.192067 ° |
| | | | | -121.585511 ° | -121.572854 ° |
| DWR ID | DWR_RD0003_02_s_2018_193 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.63 | Rating ** | U | Issue No. | 13 |
| LM End | 4.69 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.185099 ° | 38.185737 ° |
| | | | | -121.585131 ° | -121.584473 ° |
| DWR ID | DWR_RD0003_02_s_2012_13 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense landscaping and vegetation on landside slope and toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_13_20180305_00020.jpg



Looking north at dense vegetation on landward slope.

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.65 | Rating ** | U | Issue No. | 97 |
| LM End | 4.65 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.185317 ° | 38.185317 ° |
| | | | | -121.584870 ° | -121.584870 ° |
| DWR ID | DWR_RD0003_02_s_2017_97 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_97_20180305_00084.jpg



Looking west at fallen tree on landward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.74 | Rating ** | M | Issue No. | 961 |
| LM End | 4.74 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.186292 ° | 38.186292 ° |
| | | | | -121.583945 ° | -121.583945 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30903 DS_ID:22227 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify type of abandonment. Does not appear to have been abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 5-inch steel gravity irrigation pipe through the levee, invert elevation 3.4 feet below the crown. (J. del Costello). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.63)]. FS Date: 2/24/2014 | | | | | |

Photo 1 of 2 : UCIP_SP_2018_30903_56801.jpg



Pipe visible at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.74 | Rating ** | M | Issue No. | 961 (cont) |
| LM End | 4.74 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_SP_2018_30903_56800.jpg



Swale off LS toe likely along same alignment as pipe.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 4.86 | Rating ** | A/W | Issue No. | 127 |
| LM End | 4.87 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.187528 ° | 38.187781 ° |
| | | | | -121.582394 ° | -121.582331 ° |
| DWR ID | DWR_RD0003_02_f_2017_127 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap. | | | | | |
| Site ID No:278 | | | | | |
| Site Designation:LMA-104 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/26/2017 | | | | | |
| Notes: | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_127_20180305_00090.jpg



| | | | | | |
|----------|-------------|--------------|-----|------------|-------------------|
| LM Start | 4.86 | Rating ** | A/W | Issue No. | 127 (cont) |
| LM End | 4.87 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : SP_2018_RD0003_25_127_20180305_00091.jpg



* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 4.86 | Rating ** | A/W | Issue No. | 127 (cont) | |
| LM End | 4.87 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.187528 ° | 38.187781 ° | |
| | | | | -121.582394 ° | -121.582331 ° | |
| DWR ID | DWR_RD0003_02_f_2017_127 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap. | | | | | | |
| Site ID No: 278 | | | | | | |
| Site Designation: LMA-104 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating: Area of Concern | | | | | | |
| Field Date: 7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 3 of 3 : SP_2018_RD0003_25_127_20180305_00092.jpg



| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.94 | Rating ** | U | Issue No. | 14 |
| LM End | 4.98 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.188344 ° | 38.188748 ° |
| | | | | -121.581414 ° | -121.580743 ° |
| DWR ID | DWR_RD0003_02_s_2012_14 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Dense untrimmed trees on landside slope and toe. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_14_20180305_00021.jpg



Looking northeast at dense vegetation on landside shoulder and slope.
(Fall 2016)

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 4.94 | Rating ** | U | Issue No. | 14 (cont) | |
| LM End | 4.98 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.188344 ° | | 38.188748 ° |
| | | | | -121.581414 ° | | -121.580743 ° |
| DWR ID | DWR_RD0003_02_s_2012_14 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Dense untrimmed trees on landside slope and toe. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_14_20180305_00022.jpg



Looking southwest at untrimmed trees on landward toe. (Spring 2016)

| | | | | | |
|------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.35 | Rating ** | M | Issue No. | 76 |
| LM End | 5.35 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.191392 ° | 38.191392 ° |
| | | | | -121.574832 ° | -121.574832 ° |
| DWR ID | DWR_RD0003_02_s_2013_76 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Concrete rubble on landside slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_76_20180305_00060.jpg



Looking northwest at concrete rubble on landward slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.35 | Rating ** | M | Issue No. | 76 (cont) |
| LM End | 5.35 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_76_20180305_00061.jpg



| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.47 | Rating ** | M | Issue No. | 962 |
| LM End | 5.47 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.192027 ° | 38.192027 ° |
| | | | | -121.572888 ° | -121.572888 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:41643
DS_ID:22231
EP_NO: 1311
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Appears abandoned and if so should be done so properly. Walkway and pier falling apart.
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 7.8 feet below the crown. Pump on a pile structure in the river. 42-inch concrete standpipe and a meter pole at the landside (LS) toe. The 12-inch pipe appears to be sleeved with a 10-inch pipe, as it measures 10 inches on both slopes. 1.5-inch electrical conduit through the levee at the same location. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.37)].
FS Date: 2/24/2014

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 5.47 | Rating ** | M | Issue No. | 962 (cont) |
| LM End | 5.47 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_41643_56793.jpg



Pump on structurally failing pier/walkway on WS toe.

Photo 2 of 3 : UCIP_SP_2018_41643_56792.jpg



Pump on pier at WS toe.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 5.47 | Rating ** | M | Issue No. | 962 (cont) | |
| LM End | 5.47 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.192027 ° | 38.192027 ° | |
| | | | | -121.572888 ° | -121.572888 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:41643 DS_ID:22231 EP_NO: 1311 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Walkway and pier falling apart. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 7.8 feet below the crown. Pump on a pile structure in the river. 42-inch concrete standpipe and a meter pole at the landside (LS) toe. The 12-inch pipe appears to be sleeved with a 10-inch pipe, as it measures 10 inches on both slopes. 1.5-inch electrical conduit through the levee at the same location. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.37)]. FS Date: 2/24/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_41643_56791.jpg



Siphon breaker on WS shoulder.

| | | | | | |
|-----------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.53 | Rating ** | A/W | Issue No. | 21 |
| LM End | 5.56 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.192358 ° | 38.192458 ° |
| | | | | -121.571742 ° | -121.571320 ° |
| DWR ID | DWR_RD0003_02_s_2012_21 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Fence on landside shoulder. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_21_20180305_00028.jpg



Looking west at cyclone fence on landward shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.57 | Rating ** | M | Issue No. | 161 |
| LM End | 5.57 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.192528 ° | 38.192528 ° |
| | | | | -121.571192 ° | -121.571192 ° |
| DWR ID | DWR_RD0003_02_f_2017_161 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Cactus on waterside slope. | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.57 | Rating ** | M | Issue No. | 192 |
| LM End | 6.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.192600 ° | 38.200294 ° |
| | | | | -121.571105 ° | -121.559346 ° |
| DWR ID | DWR_RD0003_02_s_2018_192 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.59 | Rating ** | M | Issue No. | 963 |
| LM End | 5.59 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.192581 ° | 38.192581 ° |
| | | | | -121.570807 ° | -121.570807 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:40542 DS_ID:22233 EP_NO: 1311 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Systed appears abandoned and if so, should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water line through the levee, 4 feet below the crown. Hand pump and pump on the waterside (WS) slope. Tank on the landside (LS) shoulder. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/24/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_40542_56797.jpg



Tank on LS shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 5.59 | Rating ** | M | Issue No. | 963 (cont) |
| LM End | 5.59 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_40542_56796.jpg



Valve next to tank on LS shoulder.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 5.59 | Rating ** | M | Issue No. | 963 (cont) | |
| LM End | 5.59 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.192581 ° | | 38.192581 ° |
| | | | | -121.570807 ° | | -121.570807 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:40542 DS_ID:22233 EP_NO: 1311 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Systed appears abandoned and if so, should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water line through the levee, 4 feet below the crown. Hand pump and pump on the waterside (WS) slope. Tank on the landside (LS) shoulder. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/24/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_40542_56795.jpg



Hand pump and electric pump on WS slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.81 | Rating ** | U | Issue No. | 11 |
| LM End | 5.86 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.193552 ° | 38.193832 ° |
| | | | | -121.566933 ° | -121.565995 ° |
| DWR ID | DWR_RD0003_02_s_2012_11 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_11_20180305_00015.jpg



Landscaping on levee slope and toe obstructs access and visibility.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 5.81 | Rating ** | U | Issue No. | 11 (cont) | |
| LM End | 5.86 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.193552 ° | | 38.193832 ° |
| | | | | -121.566933 ° | | -121.565995 ° |
| DWR ID | DWR_RD0003_02_s_2012_11 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_11_20180305_00016.jpg



Oleander on landside shoulder blocking view of levee slope from LM 5.81 to 5.86

| | | | | | |
|------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.98 | Rating ** | M | Issue No. | 54 |
| LM End | 6.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.194705 ° | 38.195586 ° |
| | | | | -121.564116 ° | -121.562669 ° |
| DWR ID | DWR_RD0003_02_s_2012_54 | | | | |
| Comment Code | | | | | |
| CR : Crops | | | | | |
| Inspector Comment | | | | | |
| Orchard on lower levee slope | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_54_20180305_00044.jpg



Looking south at trees on landward toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.07 | Rating ** | M | Issue No. | 964 |
| LM End | 6.07 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.195508 ° | 38.195508 ° |
| | | | | -121.562820 ° | -121.562820 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30864 DS_ID:22238 EP_NO: 9430 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. 8-inch pipe sleeved through the 12-inch pipe. Pump and gate valve in a pump house and a vent on the waterside (WS) slope. Siphon breaker in a 16-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. 4-foot concrete standpipe, power pole, and meter on the LS toe. (Retention of an irrigation pumping plant with a centrifugal pump and accessories in a corrugated metal shed on the WS slope above rock authorized under Automatic Board Order (ABO) issued as Permit No. 9430, 1974 - M. B. Millhauser). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.99)]. FS Date: 2/24/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.07 | Rating ** | M | Issue No. | 964 (cont) |
| LM End | 6.07 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30864_56747.jpg



Pump and gate valve inside pumphouse on WS slope.

Photo 2 of 3 : UCIP_SP_2018_30864_56746.jpg



Vent next to pumphouse on WS slope.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.07 | Rating ** | M | Issue No. | 964 (cont) |
| LM End | 6.07 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.195508 ° | 38.195508 ° |
| | | | | -121.562820 ° | -121.562820 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30864 DS_ID:22238 EP_NO: 9430 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. 8-inch pipe sleeved through the 12-inch pipe. Pump and gate valve in a pump house and a vent on the waterside (WS) slope. Siphon breaker in a 16-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. 4-foot concrete standpipe, power pole, and meter on the LS toe. (Retention of an irrigation pumping plant with a centrifugal pump and accessories in a corrugated metal shed on the WS slope above rock authorized under Automatic Board Order (ABO) issued as Permit No. 9430, 1974 - M. B. Millhauser). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.99)]. FS Date: 2/24/2014 | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30864_56745.jpg



Pumphouse on WS slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.54 | Rating ** | M | Issue No. | 88 |
| LM End | 6.57 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.201390 ° | 38.201921 ° |
| | | | | -121.558934 ° | -121.558866 ° |
| DWR ID | DWR_RD0003_02_s_2012_88 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_88_20180305_00077.jpg



Looking south at landscaping on landside shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 6.54 | Rating ** | M | Issue No. | 965 | |
| LM End | 6.54 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.201393 ° | 38.201393 ° | |
| | | | | -121.558905 ° | -121.558905 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31291 DS_ID:24841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch polyvinyl chloride (PVC) conduit, 4 feet below the crown. 0.5-inch water line and electrical line sleeved through the conduit. Conduit provides service to a boat dock. This crossing was field discovered. FS Date: 2/20/2014 | | | | | | |

Photo 1 of 2 : UCIP_SP_2018_31291_57310.jpg



Pipe visible on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.54 | Rating ** | M | Issue No. | 965 (cont) |
| LM End | 6.54 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_SP_2018_31291_57309.jpg



Pipe visible on WS slope.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.57 | Rating ** | M | Issue No. | 191 |
| LM End | 7.20 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.201947 ° | 38.210963 ° |
| | | | | -121.558857 ° | -121.558567 ° |
| DWR ID | DWR_RD0003_02_s_2018_191 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 6.66 | Rating ** | M | Issue No. | 966 | |
| LM End | 6.66 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.203115 ° | 38.203115 ° | |
| | | | | -121.558665 ° | -121.558665 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30672 DS_ID:22242 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation discharge pipe through the levee, invert elevation 7.6 feet below the crown. Pump in a pump house on a concrete pad on the waterside (WS) slope. Gate valve on the WS slope. 44-inch by 44-inch concrete distribution box, joint pole (JP), and meter at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 21.58)]. FS Date: 2/20/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30672_56446.jpg



Concrete distribution box, power pole, and meter on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|-------------|
| LM Start | 6.66 | Rating ** | M | Issue No. | 966 (cont) | |
| LM End | 6.66 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.203115 | ° | 38.203115 |
| | | | | -121.558665 | ° | -121.558665 |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30672 DS_ID:22242 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation discharge pipe through the levee, invert elevation 7.6 feet below the crown. Pump in a pump house on a concrete pad on the waterside (WS) slope. Gate valve on the WS slope. 44-inch by 44-inch concrete distribution box, joint pole (JP), and meter at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 21.58)]. FS Date: 2/20/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.66 | Rating ** | M | Issue No. | 966 (cont) |
| LM End | 6.66 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30672_56445.jpg



Pump in vegetation on WS slope.

Photo 3 of 3 : UCIP_SP_2018_30672_56444.jpg



Pump on pad with butterfly valve on WS slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.88 | Rating ** | U | Issue No. | 12 |
| LM End | 6.90 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.206363 ° | 38.206598 ° |
| | | | | -121.558520 ° | -121.558530 ° |
| DWR ID | DWR_RD0003_02_s_2012_12 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Palm trees on landside slope. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 6.88 | Rating ** | U | Issue No. | 12 (cont) |
| LM End | 6.90 | Issue Type + | En | Location * | LS |

Photo 1 of 3 : SP_2018_RD0003_25_12_20180305_00017.jpg



Dense trees at landside toe and shoulder.

Photo 2 of 3 : SP_2018_RD0003_25_12_20180305_00018.jpg



Looking southwest at updated dense veg. on landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 6.88 | Rating ** | U | Issue No. | 12 (cont) |
| LM End | 6.90 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : SP_2018_RD0003_25_12_20180305_00019.jpg



Front view of palm trees on landside shoulder.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-----------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.01 | Rating ** | U | Issue No. | 16 |
| LM End | 7.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.208205 ° | 38.208205 ° |
| | | | | -121.558565 ° | -121.558565 ° |
| DWR ID | DWR_RD0003_02_s_2012_16 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation at landside toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_16_20180305_00025.jpg



Looking southwest at dense veg. on landside toe.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.22 | Rating ** | U | Issue No. | 55 |
| LM End | 7.22 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.211357 ° | 38.211357 ° |
| | | | | -121.558468 ° | -121.558468 ° |
| DWR ID | DWR_RD0003_02_s_2012_55 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_55_20180305_00045.jpg



Looking northwest at dense landscaping on landward shoulder and slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.39 | Rating ** | M | Issue No. | 56 |
| LM End | 7.39 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.213819 ° | 38.213819 ° |
| | | | | -121.558550 ° | -121.558550 ° |
| DWR ID | DWR_RD0003_02_f_2017_56 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_56_20180305_00046.jpg



Looking northwest at century plants on landside shoulder and slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 7.39 | Rating ** | M | Issue No. | 56 (cont) | |
| LM End | 7.39 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.213819 ° | | 38.213819 ° |
| | | | | -121.558550 ° | | -121.558550 ° |
| DWR ID | DWR_RD0003_02_f_2017_56 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_56_20180305_00047.jpg



Looking west at century plant on landside shoulder and slope.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.40 | Rating ** | M | Issue No. | 967 |
| LM End | 7.40 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.213858 ° | 38.213858 ° |
| | | | | -121.558540 ° | -121.558540 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30647 | | | | | |
| DS_ID:22248 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Annular space has not been grouted. | | | | | |
| FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation | | | | | |
| discharge pipe through the levee, invert elevation 2.5 feet below the | | | | | |
| crown. 1.5-inch steel electrical conduit runs through the 6-inch pipe. | | | | | |
| [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento | | | | | |
| O&M Manual 104, February 1960, (RM 22.33)]. | | | | | |
| FS Date: 2/20/2014 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.40 | Rating ** | M | Issue No. | 968 |
| LM End | 7.40 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.213880 ° | 38.213880 ° |
| | | | | -121.558541 ° | -121.558541 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30648 | | | | | |
| DS_ID:22247 | | | | | |
| EP_NO: 1383 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 44-inch deep hole on WS slope over pipe 3-inches in diameter. | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Concrete pump house on the waterside (WS) slope. 5-foot by 7-foot concrete distribution box at the landside (LS) toe with a pole and meter. (Plans for the installation of an irrigation pumping plant and a 12-inch steel discharge pipe through the levee authorized under Permit No. 1383, 1949 - Kate A. Berlin and Frank L. Fallman). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.33)]. | | | | | |
| FS Date: 2/20/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 7.40 | Rating ** | M | Issue No. | 968 (cont) |
| LM End | 7.40 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30648_56414.jpg



Pipe visible on LS slope with concrete distribution box on LS toe.

Photo 2 of 3 : UCIP_SP_2018_30648_56413.jpg



Meter on pole next to concrete distribution box on LS toe.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.40 | Rating ** | M | Issue No. | 968 (cont) | |
| LM End | 7.40 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.213880 ° | 38.213880 ° | |
| | | | | -121.558541 ° | -121.558541 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30648 DS_ID:22247 EP_NO: 1383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 48-inch deep hole on WS slope over pipe 3-inches in diameter. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Concrete pump house on the waterside (WS) slope. 5-foot by 7-foot concrete distribution box at the landside (LS) toe with a pole and meter. (Plans for the installation of an irrigation pumping plant and a 12-inch steel discharge pipe through the levee authorized under Permit No. 1383, 1949 - Kate A. Berlin and Frank L. Fallman). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.33)]. FS Date: 2/20/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30648_56412.jpg



Concrete pumphouse on WS shoulder with hole over pipe on WS slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.41 | Rating ** | M | Issue No. | 190 |
| LM End | 7.41 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.214065 ° | 38.214065 ° |
| | | | | -121.558613 ° | -121.558613 ° |
| DWR ID | DWR_RD0003_02_s_2018_190 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.43 | Rating ** | M | Issue No. | 189 |
| LM End | 7.43 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.214308 ° | 38.214308 ° |
| | | | | -121.558654 ° | -121.558654 ° |
| DWR ID | DWR_RD0003_02_s_2018_189 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.43 | Rating ** | M | Issue No. | 188 |
| LM End | 7.68 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.214326 ° | 38.217941 ° |
| | | | | -121.558655 ° | -121.558415 ° |
| DWR ID | DWR_RD0003_02_s_2018_188 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 7.66 | Rating ** | M | Issue No. | 969 | |
| LM End | 7.66 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.217642 ° | 38.217642 ° | |
| | | | | -121.558396 ° | -121.558396 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30643 | | | | | | |
| DS_ID:22249 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Appears abandoned and if so should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS). 1.5-inch electrical conduit through the levee at the same location. Power pole and meter on the LS slope. (L. Souza). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.60)]. | | | | | | |
| FS Date: 2/20/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 7.66 | Rating ** | M | Issue No. | 969 (cont) |
| LM End | 7.66 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30643_56402.jpg



Pumphouse on WS slope.

Photo 2 of 3 : UCIP_SP_2018_30643_56401.jpg



Pump, gate valve and pipe visible in pumphouse on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 7.66 | Rating ** | M | Issue No. | 969 (cont) | |
| LM End | 7.66 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.217642 ° | 38.217642 ° | |
| | | | | -121.558396 ° | -121.558396 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30643 DS_ID:22249 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS). 1.5-inch electrical conduit through the levee at the same location. Power pole and meter on the LS slope. (L. Souza). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.60)]. FS Date: 2/20/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30643_56400.jpg



Electrical panel inside pumphouse on WS slope.

| | | | | | |
|--------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.71 | Rating ** | M | Issue No. | 178 |
| LM End | 7.71 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.218462 ° | 38.218462 ° |
| | | | | -121.558383 ° | -121.558383 ° |
| DWR ID | DWR_RD0003_02_f_2017_178 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Multiple century plants. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.73 | Rating ** | M | Issue No. | 186 |
| LM End | 7.98 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.218724 ° | 38.222281 ° |
| | | | | -121.558315 ° | -121.557632 ° |
| DWR ID | DWR_RD0003_02_s_2018_186 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.84 | Rating ** | M | Issue No. | 187 |
| LM End | 7.84 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.220291 ° | 38.220291 ° |
| | | | | -121.558047 ° | -121.558047 ° |
| DWR ID | DWR_RD0003_02_s_2018_187 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.86 | Rating ** | U | Issue No. | 159 |
| LM End | 7.86 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.220578 ° | 38.220578 ° |
| | | | | -121.557978 ° | -121.557978 ° |
| DWR ID | DWR_RD0003_02_s_2015_159 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Old concrete pipes stored at landside toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_159_20180305_00138.jpg



Looking west at concrete rubble stockpile at landward toe.

| | | | |
|--|--|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.01 | Rating ** | M | Issue No. | 177 |
| LM End | 8.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.222673 ° | 38.222673 ° |
| | | | | -121.557539 ° | -121.557539 ° |
| DWR ID | DWR_RD0003_02_f_2017_177 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.02 | Rating ** | M | Issue No. | 970 |
| LM End | 8.02 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.222784 ° | 38.222784 ° |
| | | | | -121.557474 ° | -121.557474 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30623 DS_ID:22251 EP_NO: 886 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion under pipe on LS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 3.8 feet below the crown. Slant pump on the waterside (WS) slope. 36-inch concrete standpipe at the landside (LS) toe with a filter plant. Service pole on the LS slope. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for the installation and maintenance of an irrigation pumping plant, including an 8-inch discharge pipe through the levee authorized under Permit No. 886, 1942 - Georgia McKuen. Retention of an irrigation pumping plant with a slant pump and a 10-inch steel pipe through the levee above the floodplain and a service pole near the LS shoulder authorized under Automatic Board Order (ABO) issued as Permit No. 9437, 1974 - Joseph Green Jr. [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual, February 1960, (RM 22.96)]. FS Date: 2/20/2014 | | | | | |

Photo 1 of 2 : UCIP_SP_2018_30623_56381.jpg



Pipe and slant pump on WS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 8.02 | Rating ** | M | Issue No. | 970 (cont) | |
| LM End | 8.02 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.222784 ° | 38.222784 ° | |
| | | | | -121.557474 ° | -121.557474 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30623 DS_ID:22251 EP_NO: 886 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion under pipe on LS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 3.8 feet below the crown. Slant pump on the waterside (WS) slope. 36-inch concrete standpipe at the landside (LS) toe with a filter plant. Service pole on the LS slope. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for the installation and maintenance of an irrigation pumping plant, including an 8-inch discharge pipe through the levee authorized under Permit No. 886, 1942 - Georgia McKuen. Retention of an irrigation pumping plant with a slant pump and a 10-inch steel pipe through the levee above the floodplain and a service pole near the LS shoulder authorized under Automatic Board Order (ABO) issued as Permit No. 9437, 1974 - Joseph Green Jr. [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual, February 1960, (RM 22.96)]. FS Date: 2/20/2014 | | | | | | |

Photo 2 of 2 : UCIP_SP_2018_30623_56380.jpg



vent, pipe, standpipe, and filter plant on LS.

| | | | | | | |
|---------------------------|--------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 8.08 | Rating ** | A/W | Issue No. | 125 | |
| LM End | 8.17 | Issue Type + | Ob | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | 2017 Storm Damage | | | 38.223641 ° | 38.225070 ° | |
| | | | | -121.557299 ° | -121.557290 ° | |
| DWR ID | DWR_RD0003_02_s_2018_125 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: | | | | | | |
| Site ID No:64 | | | | | | |
| Site Designation:384-178 | | | | | | |
| Repair Type: Seepage | | | | | | |
| Rating: | | | | | | |
| Field Date: | | | | | | |
| Notes: | | | | | | |

No Photos

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.09 | Rating ** | M | Issue No. | 971 |
| LM End | 8.09 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.223779 ° | 38.223779 ° |
| | | | | -121.557265 ° | -121.557265 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30588 DS_ID:22254 EP_NO: 9436 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 2-inch steel water line through the levee, 6.5 feet below the crown. (Retention of a 2-inch steel pipe water line through the levee above the floodplain authorized under Automatic Board Order (ABO) issued as Permit No. 9436, 1974 - Harry A. Sergeant. Plans to construct a floating dock with a walkway on the levee and revive use of an existing reinforced concrete tunnel through the levee authorized under Permit No. 8612, 1974 - Harry A. and Jennie E. Sergeant). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014 | | | | | |

Photo 1 of 1 : UCIP_SP_2018_30588_56377.jpg



Pipe visible next to concrete culvert on WS slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.11 | Rating ** | U | Issue No. | 162 |
| LM End | 8.11 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.224110 ° | 38.224110 ° |
| | | | | -121.557216 ° | -121.557216 ° |
| DWR ID | DWR_RD0003_02_f_2017_162 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_162_20180305_00139.jpg



Looking east at the waterside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 8.11 | Rating ** | U | Issue No. | 15 | |
| LM End | 8.11 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.224130 ° | | 38.224130 ° |
| | | | | -121.557206 ° | | -121.557206 ° |
| DWR ID | DWR_RD0003_02_f_2015_15 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Broken tree branches on waterside shoulder and slope. | | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_15_20180305_00023.jpg



Looking northeast at broken and cracked tree branches on waterward slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 8.11 | Rating ** | U | Issue No. | 15 (cont) |
| LM End | 8.11 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0003_25_15_20180305_00024.jpg



Looking east at broken and cracked tree branches on waterward slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.11 | Rating ** | M | Issue No. | 185 |
| LM End | 8.39 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.224189 ° | 38.228139 ° |
| | | | | -121.557259 ° | -121.557094 ° |
| DWR ID | DWR_RD0003_02_s_2018_185 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.24 | Rating ** | U | Issue No. | 972 |
| LM End | 8.24 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.226067 ° | 38.226067 ° |
| | | | | -121.557032 ° | -121.557032 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50186
DS_ID:22256
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/06/2016 Pipe is open on WS slope. Same as last inspection. (DWR UCIP - K. Fazel)02/20/2014 Appears abandoned and if so should be done properly. Large erosion holes in 2 places on LS toe due to irrigation flows. (DWR FPIIB - G. Wylie)
FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 4.8 feet below the crown. Pump on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. 5-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.20), 10-inch pipe referenced]. Levee Log incorrectly references Gemignani as the owner of this pipe.
FS Date: 7/6/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 8.24 | Rating ** | U | Issue No. | 972 (cont) |
| LM End | 8.24 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_50186_56371.jpg



Pipe and slant pump visible on WS slope.

Photo 2 of 3 : UCIP_SP_2018_50186_56370.jpg



Open pipe visible on WS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 8.24 | Rating ** | U | Issue No. | 972 (cont) | |
| LM End | 8.24 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.226067 ° | 38.226067 ° | |
| | | | | -121.557032 ° | -121.557032 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50186 DS_ID:22256 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Pipe is open on WS slope. Same as last inspection. (DWR UCIP - K. Fazel)02/20/2014 Appears abandoned and if so should be done properly. Large erosion holes in 2 places on LS toe due to irrigation flows. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 4.8 feet below the crown. Pump on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. 5-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.20), 10-inch pipe referenced]. Levee Log incorrectly references Gemignani as the owner of this pipe. FS Date: 7/6/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_50186_56374.jpg



Pipe and concrete distribution box visible on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.25 | Rating ** | M | Issue No. | 973 |
| LM End | 8.25 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.226177 ° | 38.226177 ° |
| | | | | -121.557027 ° | -121.557027 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30577 | | | | | |
| DS_ID:22257 | | | | | |
| EP_NO: 3593 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Siphon breaker broken off pipe on LS slope. | | | | | |
| FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump on a concrete pad on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. Siphon breaker on the LS slope. Project drawings included with permit. 1-inch electrical conduit through the levee at the same location. (Plans for construction of a pumping plant on the WS authorized under Permit No. 3593, 1961 - Nelson Dean). [Additional Reference(s): DWR Levee Log, 1993]. | | | | | |
| FS Date: 2/20/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30577_56345.jpg



Siphon breaker/vent broken off pipe at LS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 8.25 | Rating ** | M | Issue No. | 973 (cont) |
| LM End | 8.25 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30577_56344.jpg



Concrete standpipe, powerpole, and meter visible on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 8.25 | Rating ** | M | Issue No. | 973 (cont) | |
| LM End | 8.25 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.226177 ° | 38.226177 ° | |
| | | | | -121.557027 ° | -121.557027 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30577 | | | | | | |
| DS_ID:22257 | | | | | | |
| EP_NO: 3593 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Siphon breaker broken off pipe on LS slope. | | | | | | |
| FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump on a concrete pad on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. Siphon breaker on the LS slope. Project drawings included with permit. 1-inch electrical conduit through the levee at the same location. (Plans for construction of a pumping plant on the WS authorized under Permit No. 3593, 1961 - Nelson Dean). [Additional Reference(s): DWR Levee Log, 1993]. | | | | | | |
| FS Date: 2/20/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30577_56346.jpg



Pump and pipe visible on WS slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.43 | Rating ** | M | Issue No. | 59 |
| LM End | 8.43 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.229251 ° | 38.229251 ° |
| | | | | -121.557227 ° | -121.557227 ° |
| DWR ID | DWR_RD0003_02_s_2012_59 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Concrete footings and retaining walls at levee toe and slopes. Has been in place for several years. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_59_20180305_00048.jpg



Looking southeast at concrete structure on waterward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.46 | Rating ** | M | Issue No. | 974 |
| LM End | 8.46 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.229127 ° | 38.229127 ° |
| | | | | -121.557189 ° | -121.557189 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30568 DS_ID:22259 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Rusted through and open on LS slope. Possibly just a section of discarded pipe. FIELD_STRUCT_DESC: *ABANDONED* 5-inch steel pipe of an unknown purpose through the levee, 5 feet below the crown. Open on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014 | | | | | |

Photo 1 of 1 : UCIP_SP_2018_30568_56321.jpg



Steel pipe visible on LS Slope.

| | | | | | |
|---------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.85 | Rating ** | M | Issue No. | 78 |
| LM End | 8.93 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.234516 ° | 38.235630 ° |
| | | | | -121.559502 ° | -121.559640 ° |
| DWR ID | DWR_RD0003_02_s_2013_78 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Unauthorized fence. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_78_20180305_00065.jpg



Looking northwest at unauthorized fence on landward shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.87 | Rating ** | U | Issue No. | 158 |
| LM End | 8.87 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.234759 ° | 38.234759 ° |
| | | | | -121.559534 ° | -121.559534 ° |
| DWR ID | DWR_RD0003_02_s_2015_158 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Large cluster of cactus on landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_158_20180305_00137.jpg



Looking west at cactus on landward slope and toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.97 | Rating ** | C | Issue No. | 23 |
| LM End | 8.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.236294 ° | 38.236294 ° |
| | | | | -121.559527 ° | -121.559527 ° |
| DWR ID | DWR_RD0003_02_s_2012_23 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Untrimmed tree on landside slope. | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.98 | Rating ** | M | Issue No. | 176 |
| LM End | 8.98 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.236425 ° | 38.236425 ° |
| | | | | -121.559561 ° | -121.559561 ° |
| DWR ID | DWR_RD0003_02_f_2017_176 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
| | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.01 | Rating ** | M | Issue No. | 2 |
| LM End | 9.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.236877 ° | 38.236877 ° |
| | | | | -121.559528 ° | -121.559528 ° |
| DWR ID | DWR_RD0003_02_s_2012_2 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| New landowner installed unauthorized ramp on landside slope. District engineer has spoken with landowner about removing the ramp. Wild grape vines growing on ramp slope. | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_2_20180305_00003.jpg



Looking south at unauthorized ramp on landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 9.01 | Rating ** | M | Issue No. | 2 (cont) |
| LM End | 9.01 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : SP_2018_RD0003_25_2_20180305_00004.jpg



Looking southwest at unauthorized ramp on landside. 2013

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 9.01 | Rating ** | M | Issue No. | 2 (cont) |
| LM End | 9.01 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : SP_2018_RD0003_25_2_20180305_00005.jpg



Looking south at ramp on landside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.02 | Rating ** | M | Issue No. | 61 |
| LM End | 9.02 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.236999 ° | 38.236999 ° |
| | | | | -121.559412 ° | -121.559412 ° |
| DWR ID | DWR_RD0003_02_s_2012_61 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.05 | Rating ** | M | Issue No. | 62 |
| LM End | 9.12 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.237346 ° | 38.238329 ° |
| | | | | -121.559154 ° | -121.558534 ° |
| DWR ID | DWR_RD0003_02_s_2012_62 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Ryde, CA | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.18 | Rating ** | U | Issue No. | 184 |
| LM End | 9.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238987 ° | 38.240126 ° |
| | | | | -121.558003 ° | -121.557005 ° |
| DWR ID | DWR_RD0003_02_s_2018_184 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_184_20180404_00294.jpg



Heavy vegetation on landside slope prevents inspection.

| | | | |
|--|--|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.21 | Rating ** | M | Issue No. | 975 |
| LM End | 9.21 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.239339 ° | 38.239339 ° |
| | | | | -121.557650 ° | -121.557650 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30507 DS_ID:22271 EP_NO: 3295 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Possibly Abandoned and if so should be done properly. Pipe shows sigs of decay on LS toe and there is pipe debris on the WS slope. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Pump on the waterside (WS) slope with a gate valve. Gate valve, power pole, and meter visible on the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installation of a pump and motor on the WS slope of the levee and installation of an 8-inch pipe through an existing 12-inch pipe through the levee authorized under Permit No. 3295, 1960 - Robert and Craig James). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30507_56120.jpg



Pipe and pump covered by vegetation on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 9.21 | Rating ** | M | Issue No. | 975 (cont) |
| LM End | 9.21 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30507_56119.jpg



Pump and gate valve on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.21 | Rating ** | M | Issue No. | 975 (cont) | |
| LM End | 9.21 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.239339 ° | 38.239339 ° | |
| | | | | -121.557650 ° | -121.557650 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30507 DS_ID:22271 EP_NO: 3295 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Possibly Abandoned and if so should be done properly. Pipe shows sigs of decay on LS toe and there is pipe debris on the WS slope. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Pump on the waterside (WS) slope with a gate valve. Gate valve, power pole, and meter visible on the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installation of a pump and motor on the WS slope of the levee and installation of an 8-inch pipe through an existing 12-inch pipe through the levee authorized under Permit No. 3295, 1960 - Robert and Craig James). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30507_56118.jpg



Pipe to left of power pole and meter at LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.29 | Rating ** | M | Issue No. | 63 |
| LM End | 9.29 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.240337 ° | 38.240337 ° |
| | | | | -121.556870 ° | -121.556870 ° |
| DWR ID | DWR_RD0003_02_s_2012_63 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.35 | Rating ** | U | Issue No. | 976 |
| LM End | 9.35 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.240971 ° | 38.240971 ° |
| | | | | -121.556116 ° | -121.556116 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50187
DS_ID:22272
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/06/2016 Highway has been since paved so pot hole not visible. No evidence of repair. (DWR UCIP - kfazel)02/20/2014 Dip in pavement over pipe on North bound lane may indicate internal leak in pipe. Good candidate for video inspection. (DWR UCIP - pamatya)
FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, invert elevation 6.2 feet below the crown. 12-inch steel pipe sleeved through the existing 16-inch pipe with the annular space grouted. Slant pump on the waterside (WS) slope next to the pump house. Butterfly valve and siphon breaker/vent at the pump on the WS slope. Siphon breaker/vent on the landside (LS) shoulder. Filter, pump, vent, and butterfly valve at the LS toe. The current 16-inch pipe replaced the abandoned 10-inch pipe under DSID 22273. (Plans for plugging up an existing 10-inch steel discharge pipe and installing a new 16-inch steel discharge pipe through the levee authorized under Permit No. 1136, 1946 - Dennis W. Leary. Plans to install a 12-inch irrigation intake pipe inside an existing 16-inch pipe in the levee authorized under Permit No. 14811, 1988 - Leary Ranch, Inc).
[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.32), 14-inch pipe referenced].
FS Date: 7/6/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 9.35 | Rating ** | U | Issue No. | 976 (cont) |
| LM End | 9.35 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_50187_57439.jpg



Pump, pipe, butterfly valve, and shed visible on WS slope.

Photo 2 of 3 : UCIP_SP_2018_50187_57438.jpg



Pump, pipe, butterfly valve, and shed visible on WS slope.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.35 | Rating ** | U | Issue No. | 976 (cont) |
| LM End | 9.35 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.240971 ° | 38.240971 ° |
| | | | | -121.556116 ° | -121.556116 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50187
DS_ID:22272
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/06/2016 Highway has been since paved so pot hole not visible. No evidence of repair. (DWR UCIP - kfazel)02/20/2014 Dip in pavement over pipe on North bound lane may indicate internal leak in pipe. Good candidate for video inspection. (DWR UCIP - pamatya)
FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, invert elevation 6.2 feet below the crown. 12-inch steel pipe sleeved through the existing 16-inch pipe with the annular space grouted. Slant pump on the waterside (WS) slope next to the pump house. Butterfly valve and siphon breaker/vent at the pump on the WS slope. Siphon breaker/vent on the landside (LS) shoulder. Filter, pump, vent, and butterfly valve at the LS toe. The current 16-inch pipe replaced the abandoned 10-inch pipe under DSID 22273. (Plans for plugging up an existing 10-inch steel discharge pipe and installing a new 16-inch steel discharge pipe through the levee authorized under Permit No. 1136, 1946 - Dennis W. Leary. Plans to install a 12-inch irrigation intake pipe inside an existing 16-inch pipe in the levee authorized under Permit No. 14811, 1988 - Leary Ranch, Inc).
[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.32), 14-inch pipe referenced].
FS Date: 7/6/2016

Photo 3 of 3 : UCIP_SP_2018_50187_57437.jpg



Vent/siphon breaker on LS shoulder.

| | | | | | |
|----------|---------------|--------------|----|------------------------|---------------|
| LM Start | 9.35 | Rating ** | M | Issue No. | 18 |
| LM End | 9.35 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.240997 ° | 38.240997 ° |
| | | | | -121.556136 ° | -121.556136 ° |

Comment Code

V6 : Landscaping

Inspector Comment

Cactus.

No Photos

| | | | |
|--|--|--|---|
| * Location LS : Land Side WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.36 | Rating ** | M | Issue No. | 157 |
| LM End | 9.36 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241163 ° | 38.241163 ° |
| | | | | -121.555977 ° | -121.555977 ° |
| DWR ID | DWR_RD0003_02_s_2015_157 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus on landside slope. | | | | | |

No Photos

| | | | | | |
|-------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.37 | Rating ** | M | Issue No. | 100 |
| LM End | 9.37 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241199 ° | 38.241199 ° |
| | | | | -121.555867 ° | -121.555867 ° |
| DWR ID | DWR_RD0003_02_f_2013_100 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Palm trees on landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_100_20180305_00087.jpg



Looking north at palm trees on landward shoulder and slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start | 9.51 | Rating ** | M | Issue No. | 977 | |
| LM End | 9.51 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.242202 ° | | 38.242202 ° |
| | | | | -121.553633 ° | | -121.553633 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31349 DS_ID:22275 EP_NO: 3738 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy foliage over pipe and appurtances on LS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (Plans to insert a new 4-inch pipe through an existing 6-inch irrigation pipe through the levee authorized under Permit No. 3738, 1961 - Emmett James). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.48)]. FS Date: 2/18/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 9.51 | Rating ** | M | Issue No. | 977 (cont) |
| LM End | 9.51 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_31349_57435.jpg



Pump, pipe, and gate valves in pumphouse on WS slope.

Photo 2 of 3 : UCIP_SP_2018_31349_57434.jpg



Pumphouse on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.51 | Rating ** | M | Issue No. | 977 (cont) | |
| LM End | 9.51 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.242202 ° | 38.242202 ° | |
| | | | | -121.553633 ° | -121.553633 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:31349 DS_ID:22275 EP_NO: 3738 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy foliage over pipe and appurtances on LS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (Plans to insert a new 4-inch pipe through an existing 6-inch irrigation pipe through the levee authorized under Permit No. 3738, 1961 - Emmett James). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.48)]. FS Date: 2/18/2014 | | | | | | |

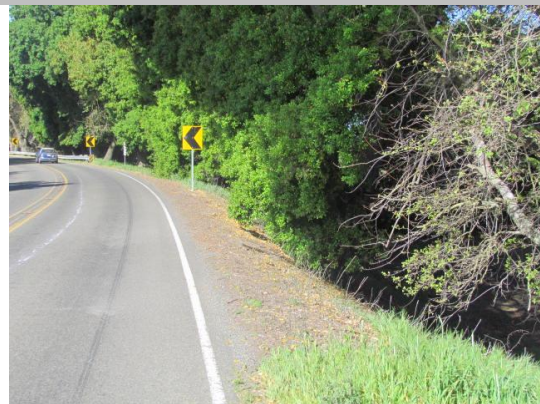
Photo 3 of 3 : UCIP_SP_2018_31349_57433.jpg



Pipe visible at LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.56 | Rating ** | M | Issue No. | 64 |
| LM End | 9.62 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.242392 ° | 38.242501 ° |
| | | | | -121.552862 ° | -121.551632 ° |
| DWR ID | DWR_RD0003_02_s_2012_64 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_64_20180305_00050.jpg



Looking southwest at dense trees on landward shoulder and slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.63 | Rating ** | M | Issue No. | 101 |
| LM End | 9.77 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.242471 ° | 38.242251 ° |
| | | | | -121.551426 ° | -121.548970 ° |
| DWR ID | DWR_RD0003_02_f_2013_101 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Large redwood trees at the landside toe and berm. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_101_20180305_00088.jpg



Looking northeast at dense redwood trees on landward toe and berm.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 9.63 | Rating ** | M | Issue No. | 101 (cont) |
| LM End | 9.77 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_101_20180305_00089.jpg



Looking southwest at dense redwood trees on landward toe and berm.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.65 | Rating ** | U | Issue No. | 183 |
| LM End | 9.76 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.242504 ° | 38.242308 ° |
| | | | | -121.551176 ° | -121.549073 ° |
| DWR ID | DWR_RD0003_02_s_2018_183 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_183_20180404_00293.jpg



Heavy vegetation on landside slope prevents inspection.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 9.82 | Rating ** | A/W | Issue No. | 137 |
| LM End | 9.84 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.242006 ° | 38.241950 ° |
| | | | | -121.548117 ° | -121.547681 ° |
| DWR ID | DWR_RD0003_02_f_2017_137 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: District station 518+55 to 519+81 , Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap. | | | | | |
| Site ID No: 279 | | | | | |
| Site Designation: LMA-105 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating: Area of Concern | | | | | |
| Field Date: 7/26/2017 | | | | | |
| Notes: | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|-------------------|
| LM Start | 9.82 | Rating ** | A/W | Issue No. | 137 (cont) |
| LM End | 9.84 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : SP_2018_RD0003_25_137_20180305_00103.jpg



Photo 2 of 3 : SP_2018_RD0003_25_137_20180305_00104.jpg



| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 9.82 | Rating ** | A/W | Issue No. | 137 (cont) | |
| LM End | 9.84 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.242006 ° | 38.241950 ° | |
| | | | | -121.548117 ° | -121.547681 ° | |
| DWR ID | DWR_RD0003_02_f_2017_137 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: District station 518+55 to 519+81 , Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap. | | | | | | |
| Site ID No: 279 | | | | | | |
| Site Designation: LMA-105 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating: Area of Concern | | | | | | |
| Field Date: 7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 3 of 3 : SP_2018_RD0003_25_137_20180305_00105.jpg



38.24207, -121.54814, -24.0m, 103°
Jul 26, 2017 10:21:05 AM

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.91 | Rating ** | M | Issue No. | 979 | |
| LM End | 9.91 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.241913 ° | 38.241913 ° | |
| | | | | -121.546418 ° | -121.546418 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30408 | | | | | | |
| DS_ID:22280 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Annular space not grouted. | | | | | | |
| FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. A 3.5-inch steel pipe is sleeved through a 5-inch pipe which is sleeved through the 6-inch pipe. The annular space is not grouted. Pump and gate valve on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Service pole at the LS toe. (Joe Dianda). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.88)]. | | | | | | |
| FS Date: 2/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30408_55931.jpg



Pump and shutoff valve on concrete pad on WS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 9.91 | Rating ** | M | Issue No. | 979 (cont) | |
| LM End | 9.91 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.241913 ° | | 38.241913 ° |
| | | | | -121.546418 ° | | -121.546418 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30408 | | | | | | |
| DS_ID:22280 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Annular space not grouted. | | | | | | |
| FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. A 3.5-inch steel pipe is sleeved through a 5-inch pipe which is sleeved through the 6-inch pipe. The annular space is not grouted. Pump and gate valve on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Service pole at the LS toe. (Joe Dianda). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.88)]. | | | | | | |
| FS Date: 2/18/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 9.91 | Rating ** | M | Issue No. | 979 (cont) |
| LM End | 9.91 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30408_55930.jpg



2 pipes sleeved through 6-inch pipe.

Photo 3 of 3 : UCIP_SP_2018_30408_55929.jpg



Concrete standpipe covered in vegetation on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.93 | Rating ** | U | Issue No. | 19 |
| LM End | 9.93 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.241880 ° | 38.241880 ° |
| | | | | -121.546108 ° | -121.546108 ° |
| DWR ID | DWR_RD0003_02_s_2012_19 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_19_20180305_00026.jpg



Block/Concrete fence on landside shoulder at LM 10.13

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.97 | Rating ** | U | Issue No. | 156 |
| LM End | 9.97 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241798 ° | 38.241798 ° |
| | | | | -121.545394 ° | -121.545394 ° |
| DWR ID | DWR_RD0003_02_s_2015_156 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Oleander blocking view of landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_156_20180305_00136.jpg



Looking west at dense landscaping on landward shoulder and slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.97 | Rating ** | U | Issue No. | 182 |
| LM End | 10.00 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241784 ° | 38.241707 ° |
| | | | | -121.545302 ° | -121.544835 ° |
| DWR ID | DWR_RD0003_02_s_2018_182 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_182_20180404_00292.jpg



Heavy vegetation on landside slope prevents inspection.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 10.01 | Rating ** | A/W | Issue No. | 138 |
| LM End | 10.03 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.241481 ° | 38.241439 ° |
| | | | | -121.544569 ° | -121.544353 ° |
| DWR ID | DWR_RD0003_02_f_2017_138 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. | | | | | |
| Site ID No:280 | | | | | |
| Site Designation:LMA-106 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/26/2017 | | | | | |
| Notes: | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_138_20180305_00106.jpg



| | | | | | |
|----------|--------------|--------------|-----|------------|-------------------|
| LM Start | 10.01 | Rating ** | A/W | Issue No. | 138 (cont) |
| LM End | 10.03 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : SP_2018_RD0003_25_138_20180305_00107.jpg



| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 10.01 | Rating ** | A/W | Issue No. | 138 (cont) | |
| LM End | 10.03 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.241481 ° | 38.241439 ° | |
| | | | | -121.544569 ° | -121.544353 ° | |
| DWR ID | DWR_RD0003_02_f_2017_138 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. | | | | | | |
| Site ID No: 280 | | | | | | |
| Site Designation: LMA-106 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating: Area of Concern | | | | | | |
| Field Date: 7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 3 of 3 : SP_2018_RD0003_25_138_20180305_00108.jpg



| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.04 | Rating ** | C | Issue No. | 175 |
| LM End | 10.04 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.241574 ° | 38.241574 ° |
| | | | | -121.544139 ° | -121.544139 ° |
| DWR ID | DWR_RD0003_02_f_2017_175 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Landowner is currently digging a trench approximately 24 inches deep at the toe of the levee without a permit. | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 10.04 | Rating ** | M | Issue No. | 85 | |
| LM End | 10.09 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.241551 ° | | 38.241422 ° |
| | | | | -121.544035 ° | | -121.543236 ° |
| DWR ID | DWR_RD0003_02_s_2012_85 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

No Photos

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.10 | Rating ** | M | Issue No. | 980 |
| LM End | 10.10 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.241300 ° | 38.241300 ° |
| | | | | -121.542967 ° | -121.542967 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30406 DS_ID:22281 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Actuator for Gate valve is broken off. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.5 feet below the crown. Pipe reduced to 6 inches on the slopes. Pump and gate valve on a concrete pad on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (DWR Bank Protection Project, Drawing No. 50-4-3741, Sheet 21 - Castanho). [Additional Reference(s): DWR Levee Log, 1993, USACE Sacramento O&M Manual 104, February 1960, (RM 25.09), 6-inch pipe referenced]. FS Date: 2/18/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30406_55927.jpg



Pump, gate valve, and concrete pad on WS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 10.10 | Rating ** | M | Issue No. | 980 (cont) | |
| LM End | 10.10 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.241300 ° | | 38.241300 ° |
| | | | | -121.542967 ° | | -121.542967 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30406 DS_ID:22281 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Actuator for Gate valve is broken off. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.5 feet below the crown. Pipe reduced to 6 inches on the slopes. Pump and gate valve on a concrete pad on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (DWR Bank Protection Project, Drawing No. 50-4-3741, Sheet 21 - Castanho). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 25.09), 6-inch pipe referenced]. FS Date: 2/18/2014 | | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 10.10 | Rating ** | M | Issue No. | 980 (cont) |
| LM End | 10.10 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30406_55926.jpg



Siphon Breaker in CMP riser on LS shoulder.

Photo 3 of 3 : UCIP_SP_2018_30406_55925.jpg



Siphon Breaker in CMP riser on LS shoulder.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

Reclamation District No. 0003 Grand Island

Looking east at dense landscape on landward shoulder and slope.

Pipe and slant pump visible on WS slope.

Page 80 of 155

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 10.14 | Rating ** | M | Issue No. | 981 (cont) | |
| LM End | 10.14 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.241157 ° | 38.241157 ° | |
| | | | | -121.542361 ° | -121.542361 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30404 DS_ID:22282 EP_NO: 3670 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned as no pipe, siphon breaker, or standpipe visible on LS toe. If so, it should be abandoned properly. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3.8 feet below the crown. Slant pump on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. (Plans to remove an old centrifugal pump and suction pipe, to install a new propeller pump 40 feet in length along the slope of the levee, to install necessary foundation piling to support the pump, and to connect to present pipe through the levee authorized under Permit No. 3670, 1961 - Russell G. Graham. Plans to replace a section of an existing irrigation pipe with a 12-inch steel pipe through the crown of the levee authorized under Permit No. 17837, 2004 - Ron Galindo). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/18/2014 | | | | | | |

Photo 2 of 2 : UCIP_SP_2018_30404_55923.jpg



Pipe and slant pump visible on WS slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.15 | Rating ** | U | Issue No. | 170 |
| LM End | 10.15 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.241125 ° | 38.241125 ° |
| | | | | -121.542075 ° | -121.542075 ° |
| DWR ID | DWR_RD0003_02_s_2018_170 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_170_20180404_00291.jpg



Fallen tree on landside slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.20 | Rating ** | U | Issue No. | 167 |
| LM End | 10.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.240938 ° | 38.239695 ° |
| | | | | -121.541251 ° | -121.536265 ° |
| DWR ID | DWR_RD0003_02_s_2018_167 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_167_20180404_00295.jpg



Heavy vegetation on Inside slope prevents inspection.

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.43 | Rating ** | M | Issue No. | 81 |
| LM End | 10.43 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239850 ° | 38.239850 ° |
| | | | | -121.537237 ° | -121.537237 ° |
| DWR ID | DWR_RD0003_02_s_2013_81 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Century plant on landside shoulder. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_81_20180305_00068.jpg



Looking west at century plant on landward slope. (Spring 2015)

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.43 | Rating ** | M | Issue No. | 81 (cont) |
| LM End | 10.43 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_81_20180305_00069.jpg



Looking northwest at century plant on landward shoulder and slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.53 | Rating ** | U | Issue No. | 66 |
| LM End | 10.53 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239462 ° | 38.239462 ° |
| | | | | -121.535462 ° | -121.535462 ° |
| DWR ID | DWR_RD0003_02_s_2012_66 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_66_20180305_00051.jpg



Landscaping on levee slope and toe obstructs access and visibility.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.55 | Rating ** | M | Issue No. | 163 |
| LM End | 10.65 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239426 ° | 38.239032 ° |
| | | | | -121.535152 ° | -121.533252 ° |
| DWR ID | DWR_RD0003_02_s_2018_163 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_163_20180404_00290.jpg



Tall landside vegetation prevents inspection.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.69 | Rating ** | M | Issue No. | 174 |
| LM End | 10.69 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.238921 ° | 38.238921 ° |
| | | | | -121.532573 ° | -121.532573 ° |
| DWR ID | DWR_RD0003_02_f_2017_174 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Barbed wire fence at landside toe blocking access. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_174_20180305_00144.jpg



Looking northeast at the landside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.75 | Rating ** | M | Issue No. | 982 |
| LM End | 10.75 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.238768 ° | 38.238768 ° |
| | | | | -121.531512 ° | -121.531512 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:30391
DS_ID:22284
EP_NO: 9442
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Good candidate for video inspection.
FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 7.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 4-foot by 4-foot concrete distribution box at the landside (LS) toe, next to a power pole and meter. 1.5-inch electrical conduit through the levee at the same location. (Retention of an irrigation pumping plant, centrifugal pump, and accessories in a corrugated metal shed on the WS levee slope and an 8-inch pipe through the levee above the floodplain authorized under Automatic Board Order (ABO) issued as Permit No. 9442, 1974 - Frank Gwerder). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 25.74), 6-inch pipe referenced].
FS Date: 2/18/2014

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 10.75 | Rating ** | M | Issue No. | 982 (cont) |
| LM End | 10.75 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30391_55899.jpg



Pump and gate valve in pumphouse on WS slope.

Photo 2 of 3 : UCIP_SP_2018_30391_55898.jpg



Pipe and conduit visible on WS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 10.75 | Rating ** | M | Issue No. | 982 (cont) | |
| LM End | 10.75 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.238768 ° | 38.238768 ° | |
| | | | | -121.531512 ° | -121.531512 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30391 DS_ID:22284 EP_NO: 9442 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 7.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 4-foot by 4-foot concrete distribution box at the landside (LS) toe, next to a power pole and meter. 1.5-inch electrical conduit through the levee at the same location. (Retention of an irrigation pumping plant, centrifugal pump, and accessories in a corrugated metal shed on the WS levee slope and an 8-inch pipe through the levee above the floodplain authorized under Automatic Board Order (ABO) issued as Permit No. 9442, 1974 - Frank Gwerder). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 25.74), 6-inch pipe referenced]. FS Date: 2/18/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30391_55897.jpg



Pump in pumphouse on WS slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.77 | Rating ** | U | Issue No. | 67 |
| LM End | 10.77 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238740 ° | 38.238740 ° |
| | | | | -121.531145 ° | -121.531145 ° |
| DWR ID | DWR_RD0003_02_s_2012_67 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_67_20180305_00052.jpg



Landscaping on levee slope obstructs access and visibility.

| | | | | | |
|--|--|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.81 | Rating ** | U | Issue No. | 68 |
| LM End | 10.90 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238817 ° | 38.238959 ° |
| | | | | -121.530372 ° | -121.528758 ° |
| DWR ID | DWR_RD0003_02_s_2012_68 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_68_20180305_00053.jpg



Looking west at dense landscaping on landward shoulder and slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.88 | Rating ** | M | Issue No. | 164 |
| LM End | 10.88 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238861 ° | 38.238861 ° |
| | | | | -121.529074 ° | -121.529074 ° |
| DWR ID | DWR_RD0003_02_f_2017_164 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Century Plant | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.90 | Rating ** | U | Issue No. | 160 |
| LM End | 11.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238962 ° | 38.239706 ° |
| | | | | -121.528842 ° | -121.525707 ° |
| DWR ID | DWR_RD0003_02_s_2018_160 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Row of closely-spaced trees at landside toe inhibits inspection and prevents access. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_160_20180404_00289.jpg



Trees at landside toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.10 | Rating ** | U | Issue No. | 84 |
| LM End | 11.10 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239730 ° | 38.239730 ° |
| | | | | -121.525190 ° | -121.525190 ° |
| DWR ID | DWR_RD0003_02_s_2013_84 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Oleander and cactus on landside shoulder. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_84_20180305_00073.jpg



Looking west at dense landscaping on landward slope and toe. (Spring 2015)

| | | | | | |
|----------|-------|--------------|----|------------|-----------|
| LM Start | 11.10 | Rating ** | U | Issue No. | 84 (cont) |
| LM End | 11.10 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_84_20180305_00074.jpg



Looking northwest at dense landscaping on landward shoulder and slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.13 | Rating ** | U | Issue No. | 153 |
| LM End | 11.13 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239858 ° | 38.239858 ° |
| | | | | -121.524747 ° | -121.524747 ° |
| DWR ID | DWR_RD0003_02_s_2018_153 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Row of closely-spaced trees at landside toe inhibits inspection and prevents access. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_153_20180404_00288.jpg



Row of trees at landside toe.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.21 | Rating ** | M | Issue No. | 173 |
| LM End | 11.21 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.239952 ° | 38.239952 ° |
| | | | | -121.523243 ° | -121.523243 ° |
| DWR ID | DWR_RD0003_02_f_2017_173 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 11.25 | Rating ** | M | Issue No. | 983 | |
| LM End | 11.25 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.239992 ° | 38.239992 ° | |
| | | | | -121.522463 ° | -121.522463 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30364 DS_ID:22288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.7 feet below the crown. A 4-inch polyvinyl chloride (PVC) pipe is sleeved through the 8-inch pipe. Pump and gate valve in a pump house on the waterside (WS) slope. (Johnson). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.25)]. FS Date: 2/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30364_55846.jpg



PVC pipe, pole, and meter visible on LS toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 11.25 | Rating ** | M | Issue No. | 983 (cont) | |
| LM End | 11.25 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.239992 ° | 38.239992 ° | |
| | | | | -121.522463 ° | -121.522463 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30364 DS_ID:22288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.7 feet below the crown. A 4-inch polyvinyl chloride (PVC) pipe is sleeved through the 8-inch pipe. Pump and gate valve in a pump house on the waterside (WS) slope. (Johnson). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.25)]. FS Date: 2/18/2014 | | | | | | |

Photo 2 of 3 : UCIP_SP_2018_30364_55845.jpg



Pipe visible in abandoned pumphouse on WS slope.

| | | | | | |
|----------|-------|--------------|----|------------|------------|
| LM Start | 11.25 | Rating ** | M | Issue No. | 983 (cont) |
| LM End | 11.25 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_30364_55844.jpg



Shutoff valve at pump on WS slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 11.33 | Rating ** | A/W | Issue No. | 1 |
| LM End | 11.42 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.239870 ° | 38.239983 ° |
| | | | | -121.520989 ° | -121.519361 ° |
| DWR ID | DWR_RD0003_02_s_2016_1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015: Minor new erosion at toe. [2015 Site ID: SAC_26-3_R] | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_1_20180305_00001.jpg



USACE 2013 Photo #1

| | | | | | |
|----------|--------------|--------------|-----|------------|-----------------|
| LM Start | 11.33 | Rating ** | A/W | Issue No. | 1 (cont) |
| LM End | 11.42 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0003_25_1_20180305_00002.jpg



USACE 2013 Photo #2

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.55 | Rating ** | M | Issue No. | 24 |
| LM End | 11.57 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.241093 ° | 38.241300 ° |
| | | | | -121.517378 ° | -121.517073 ° |
| DWR ID | DWR_RD0003_02_s_2012_24 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.58 | Rating ** | M | Issue No. | 155 |
| LM End | 11.58 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241412 ° | 38.241412 ° |
| | | | | -121.517027 ° | -121.517027 ° |
| DWR ID | DWR_RD0003_02_s_2015_155 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus on landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_155_20180305_00135.jpg



Looking southwest at cactus on landward slope and toe.

| | | | | | |
|---------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.59 | Rating ** | M | Issue No. | 172 |
| LM End | 11.59 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241476 ° | 38.241476 ° |
| | | | | -121.516883 ° | -121.516883 ° |
| DWR ID | DWR_RD0003_02_f_2017_172 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| New century plants on landside slope. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start | 11.62 | Rating ** | M | Issue No. | 984 | |
| LM End | 11.62 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.241867 ° | | 38.241867 ° |
| | | | | -121.516439 ° | | -121.516439 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30363 DS_ID:22290 EP_NO: 665 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 2.8 feet below the crown. Pump on a pile structure in the river. 5-foot by 5-foot concrete distribution box at the landside (LS) toe with a meter pole. (Plans for the installation of a 10-inch, 10-gauge discharge pipe through the levee Permit No. 665, 1936 - C. T. Vollman). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.62)]. FS Date: 2/18/2014 | | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 11.62 | Rating ** | M | Issue No. | 984 (cont) |
| LM End | 11.62 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30363_55842.jpg



Concrete distribution box and meter on pole on LS toe.

Photo 2 of 3 : UCIP_SP_2018_30363_55841.jpg



Pipe and distro box visible at left side of photo.

| | | | | | |
|--|--|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 11.62 | Rating ** | M | Issue No. | 984 (cont) | |
| LM End | 11.62 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.241867 ° | | 38.241867 ° |
| | | | | -121.516439 ° | | -121.516439 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30363 | | | | | | |
| DS_ID:22290 | | | | | | |
| EP_NO: 665 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Appears abandoned and if so should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 2.8 feet below the crown. Pump on a pile structure in the river. 5-foot by 5-foot concrete distribution box at the landside (LS) toe with a meter pole. (Plans for the installation of a 10-inch, 10-gauge discharge pipe through the levee Permit No. 665, 1936 - C. T. Vollman). [Additional Reference(s): DWR Levee Log, 1993. | | | | | | |
| USACE Sacramento O&M Manual 104, February 1960, (RM 26.62)]. | | | | | | |
| FS Date: 2/18/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30363_55840.jpg



Pipe visible in foreground next to oak.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.62 | Rating ** | M | Issue No. | 985 |
| LM End | 11.62 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.241869 ° | 38.241869 ° |
| | | | | -121.516436 ° | -121.516436 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30352 DS_ID:22320 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 1 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 2-inch polyvinyl chloride (PVC) and 1-inch PVC electrical conduits sleeved through the 6-inch conduit. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014 | | | | | |

Photo 1 of 2 : UCIP_SP_2018_30352_55824.jpg



Electrical conduit visible on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 11.62 | Rating ** | M | Issue No. | 985 (cont) | |
| LM End | 11.62 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.241869 ° | 38.241869 ° | |
| | | | | -121.516436 ° | -121.516436 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30352 DS_ID:22320 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 1 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 2-inch polyvinyl chloride (PVC) and 1-inch PVC electrical conduits sleeved through the 6-inch conduit. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014 | | | | | | |

Photo 2 of 2 : UCIP_SP_2018_30352_55823.jpg



Both electrical conduits and 6-inch galvanized iron conduit visible at left in photo.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.63 | Rating ** | M | Issue No. | 986 |
| LM End | 11.63 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.241872 ° | 38.241872 ° |
| | | | | -121.516433 ° | -121.516433 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30353 DS_ID:22356 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 2 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 4-inch steel electrical conduit sleeved through the 6-inch conduit. Electrical panel visible on the landside (LS) toe. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30353_55827.jpg



Electrical conduit visible on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 11.63 | Rating ** | M | Issue No. | 986 (cont) | |
| LM End | 11.63 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.241872 ° | 38.241872 ° | |
| | | | | -121.516433 ° | -121.516433 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30353 DS_ID:22356 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 2 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 4-inch steel electrical conduit sleeved through the 6-inch conduit. Electrical panel visible on the landside (LS) toe. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014 | | | | | | |

Photo 2 of 3 : UCIP_SP_2018_30353_55826.jpg



Electrical panel visible on LS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 11.63 | Rating ** | M | Issue No. | 986 (cont) |
| LM End | 11.63 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_30353_55825.jpg



Electrical conduit visible at WS shoulder at 6-inch conduit it is sleeved through.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.63 | Rating ** | M | Issue No. | 987 |
| LM End | 11.63 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.241876 ° | 38.241876 ° |
| | | | | -121.516428 ° | -121.516428 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30356 DS_ID:22357 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 3 of 4: 6-inch galvanized iron water line conduit through the levee, 3 feet below the crown. 4.5-inch polyvinyl chloride (PVC) water line is sleeved through the 6-inch conduit. Vent on the landside (LS) slope. Backflow preventer with two shutoff valves visible on the waterside (WS) shoulder. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014 | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 11.63 | Rating ** | M | Issue No. | 987 (cont) |
| LM End | 11.63 | Issue Type + | En | Location * | |

Photo 1 of 2 : UCIP_SP_2018_30356_55833.jpg



Vent or siphon breaker visible on LS shoulder along with 4.5-inch PVC waterline.

Photo 2 of 2 : UCIP_SP_2018_30356_55832.jpg



Blue backflow preventer with two shutoff valves visible on WS shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.64 | Rating ** | M | Issue No. | 71 |
| LM End | 11.73 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.242035 ° | 38.243125 ° |
| | | | | -121.516134 ° | -121.515229 ° |
| DWR ID | DWR_RD0003_02_s_2012_71 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Walnut Grove, CA | | | | | |

No Photos

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 11.81 | Rating ** | M | Issue No. | 988 | |
| LM End | 11.81 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.243865 ° | 38.243865 ° | |
| | | | | -121.514241 ° | -121.514241 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30345 DS_ID:22292 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Depression over pipe at crown may indicate pipe is failing. FIELD_STRUCT_DESC: *ABANDONED* 12-inch welded steel irrigation discharge pipe through the levee, invert elevation 5 feet below the crown. Pipe was cut off and filled with concrete on the waterside (WS) slope. Pipe was cut off and left open on the WS end. (Plans to install a 7.5-horsepower angle mounted irrigation pump and a 12-inch, 10-gauge welded steel discharge pipe through the levee authorized under Permit No. 5428, 1966 - Grand Island Farms). [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 26.80), 10-inch pipe referenced]. FS Date: 2/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30345_55789.jpg



Pipe with concrete fill on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.81 | Rating ** | M | Issue No. | 988 (cont) |
| LM End | 11.81 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.243865 ° | 38.243865 ° |
| | | | | -121.514241 ° | -121.514241 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:30345
DS_ID:22292
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Depression over pipe at crown may indicate pipe is failing.
FIELD_STRUCT_DESC: *ABANDONED* 12-inch welded steel irrigation discharge pipe through the levee, invert elevation 5 feet below the crown. Pipe was cut off and filled with concrete on the waterside (WS) slope. Pipe was cut off and left open on the WS end. (Plans to install a 7.5-horsepower angle mounted irrigation pump and a 12-inch, 10-gauge welded steel discharge pipe through the levee authorized under Permit No. 5428, 1966 - Grand Island Farms). [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 26.80), 10-inch pipe referenced].
FS Date: 2/18/2014

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 11.81 | Rating ** | M | Issue No. | 988 (cont) |
| LM End | 11.81 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30345_55788.jpg



Pipe visible just downstream and downhill from Cork Oak on WS shoulder.

Photo 3 of 3 : UCIP_SP_2018_30345_55787.jpg



Depression over pipe alignment in crown/roadway.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.81 | Rating ** | U | Issue No. | 83 |
| LM End | 11.85 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.243915 ° | 38.244392 ° |
| | | | | -121.514254 ° | -121.513740 ° |
| DWR ID | DWR_RD0003_02_s_2012_83 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense landscaping on landside slope. | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 11.81 | Rating ** | U | Issue No. | 83 (cont) |
| LM End | 11.85 | Issue Type + | En | Location * | LS |

Photo 1 of 2 : SP_2018_RD0003_25_83_20180305_00071.jpg



Looking north at dense landscaping on landside shoulder and slope.

Photo 2 of 2 : SP_2018_RD0003_25_83_20180305_00072.jpg



Looking south at dense landscaping on landward shoulder and slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.90 | Rating ** | M | Issue No. | 86 |
| LM End | 11.90 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.244942 ° | 38.244942 ° |
| | | | | -121.513132 ° | -121.513132 ° |
| DWR ID | DWR_RD0003_02_s_2013_86 | | | | |
| Comment Code | | | | | |
| AV : Abandoned vehicles | | | | | |
| Inspector Comment | | | | | |
| Abandoned vehicles and material on landside toe. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_86_20180305_00075.jpg



Looking south at abandoned vehicles and material on landward slope and toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 11.90 | Rating ** | M | Issue No. | 86 (cont) | |
| LM End | 11.90 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.244942 ° | | 38.244942 ° |
| | | | | -121.513132 ° | | -121.513132 ° |
| DWR ID | DWR_RD0003_02_s_2013_86 | | | | | |
| Comment Code | | | | | | |
| AV : Abandoned vehicles | | | | | | |
| Inspector Comment | | | | | | |
| Abandoned vehicles and material on landside toe. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_86_20180305_00076.jpg



Looking north at abandoned vehicles on landward toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.99 | Rating ** | M | Issue No. | 268 |
| LM End | 11.99 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.246022 ° | 38.246022 ° |
| | | | | -121.512328 ° | -121.512328 ° |
| DWR ID | DWR_RD0003_02_s_2012_268 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| Landowner installed new ramp without board permit. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_268_20180305_00147.jpg



Looking north at new ramp on landside slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.99 | Rating ** | M | Issue No. | 267 |
| LM End | 11.99 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.246025 ° | 38.246025 ° |
| | | | | -121.512327 ° | -121.512327 ° |
| DWR ID | DWR_RD0003_02_s_2012_267 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Landowner installed a new fence on the landside of levee. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_267_20180305_00146.jpg



Looking north at new fence on landside shoulder and slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.01 | Rating ** | U | Issue No. | 31 |
| LM End | 12.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.246310 ° | 38.247332 ° |
| | | | | -121.512157 ° | -121.511773 ° |
| DWR ID | DWR_RD0003_02_s_2012_31 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landscaping and new wooden fence on landside slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_31_20180305_00033.jpg



Looking northwest at new wooden fence on landward shoulder.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 12.01 | Rating ** | U | Issue No. | 31 (cont) |
| LM End | 12.08 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_31_20180305_00034.jpg



Looking west at dense landscaping on landside shoulder and slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.04 | Rating ** | U | Issue No. | 269 |
| LM End | 12.04 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.246732 ° | 38.246732 ° |
| | | | | -121.511927 ° | -121.511927 ° |
| DWR ID | DWR_RD0003_02_s_2012_269 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Landowner installed a new fence w/o permit. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_269_20180305_00148.jpg



Looking northwest at a new wooden fence on landside shoulder.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.04 | Rating ** | M | Issue No. | 32 |
| LM End | 12.18 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.246802 ° | 38.248682 ° |
| | | | | -121.511956 ° | -121.511657 ° |
| DWR ID | DWR_RD0003_02_s_2012_32 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Oleander partially blocking view of levee on landside slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_32_20180305_00035.jpg



Looking northwest at trimmed oleander partially blocking view of landward slope. (Spring 2015)

| | | | | | |
|----------|-------|--------------|----|------------|-----------|
| LM Start | 12.04 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 12.18 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_32_20180305_00036.jpg



Looking northwest at oleander on landside shoulder. (Spring 2014)

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.14 | Rating ** | M | Issue No. | 196 |
| LM End | 12.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.248094 ° | 38.248094 ° |
| | | | | -121.511659 ° | -121.511659 ° |
| DWR ID | DWR_RD0003_02_s_2018_196 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 12.14 | Rating ** | M | Issue No. | 989 |
| LM End | 12.14 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.248130 ° | 38.248130 ° |
| | | | | -121.511654 ° | -121.511654 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:30306
DS_ID:22296
EP_NO: 2383
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Annular space should be grouted. No permit identified for pipes sleeved through irrigation pipe.
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump and gate valve on the waterside (WS) slope. A 4-inch pipe is sleeved through the 6-inch pipe. Two conduits are sleeved through the 4-inch pipe: A 1-inch water line and a 1.5-inch electrical conduit provide service to a boat dock, 210 feet upstream from the pump. (Plans for the installation of a pump on the WS slope and a 6-inch discharge pipe through the levee, 4 feet below the crown, authorized under Permit No. 2383, 1956 - James S. and Nancy P. Moser). The 4-inch pipe and two conduits were sleeved through the 6-inch pipe at a later date and likely without a permit.
[Additional Reference(s): DWR Levee Log, 1993].
FS Date: 2/18/2014

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 12.14 | Rating ** | M | Issue No. | 989 (cont) |
| LM End | 12.14 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30306_55726.jpg



6-inch pipe visible on LS toe.

Photo 2 of 3 : UCIP_SP_2018_30306_55729.jpg



Pipe and pump visible on WS slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 12.14 | Rating ** | M | Issue No. | 989 (cont) | |
| LM End | 12.14 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.248130 ° | 38.248130 ° | |
| | | | | -121.511654 ° | -121.511654 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30306 DS_ID:22296 EP_NO: 2383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space should be grouted. No permit identified for pipes sleeved through irrigation pipe. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump and gate valve on the waterside (WS) slope. A 4-inch pipe is sleeved through the 6-inch pipe. Two conduits are sleeved through the 4-inch pipe: A 1-inch water line and a 1.5-inch electrical conduit provide service to a boat dock, 210 feet upstream from the pump. (Plans for the installation of a pump on the WS slope and a 6-inch discharge pipe through the levee, 4 feet below the crown, authorized under Permit No. 2383, 1956 - James S. and Nancy P. Moser). The 4-inch pipe and two conduits were sleeved through the 6-inch pipe at a later date and likely without a permit. [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/18/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30306_55728.jpg



2-steel pipes run parallel to crown on WS slope from pump to boat walkway, 210-feet upstream from pump.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start | 12.28 | Rating ** | M | Issue No. | 990 | |
| LM End | 12.28 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.250168 ° | | 38.250168 ° |
| | | | | -121.511907 ° | | -121.511907 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30305 | | | | | | |
| DS_ID:22297 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pump and pipe abandoned and should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 7-inch steel irrigation discharge pipe through the levee, invert elevation 8.4 feet below the crown. Pump platform visible on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (H. Town). [Additional Reference(s): DWR Levee Log, 1993, 5-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 27.29), 5-inch galvanized iron pipe referenced]. | | | | | | |
| FS Date: 2/18/2014 | | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 12.28 | Rating ** | M | Issue No. | 990 (cont) |
| LM End | 12.28 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30305_55725.jpg



Abandoned pump platform on WS slope.

Photo 2 of 3 : UCIP_SP_2018_30305_55724.jpg



Electrical conduit, pole, and pipe remnants on LS slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 12.28 | Rating ** | M | Issue No. | 990 (cont) | |
| LM End | 12.28 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.250168 ° | | 38.250168 ° |
| | | | | -121.511907 ° | | -121.511907 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30305 DS_ID:22297 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 7-inch steel irrigation discharge pipe through the levee, invert elevation 8.4 feet below the crown. Pump platform visible on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (H. Town). [Additional Reference(s): DWR Levee Log, 1993, 5-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 27.29), 5-inch galvanized iron pipe referenced]. FS Date: 2/18/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30305_55723.jpg



Abandoned pipe visible on LS slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.29 | Rating ** | U | Issue No. | 34 |
| LM End | 12.33 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.250348 ° | 38.250808 ° |
| | | | | -121.511959 ° | -121.512152 ° |
| DWR ID | DWR_RD0003_02_s_2012_34 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_34_20180305_00037.jpg



Looking northwest at dense landscaping on landside shoulder.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

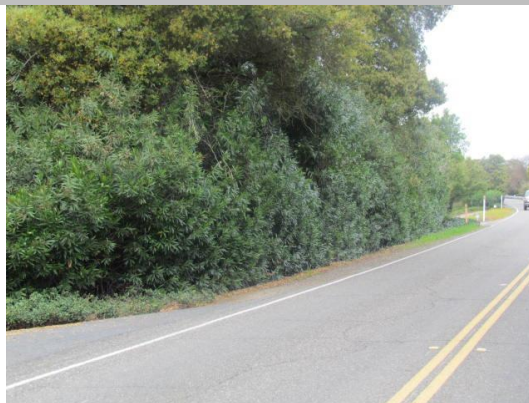
Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.38 | Rating ** | U | Issue No. | 35 |
| LM End | 12.41 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.251463 ° | 38.251873 ° |
| | | | | -121.512458 ° | -121.512678 ° |
| DWR ID | DWR_RD0003_02_s_2012_35 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landscaping blocking view of landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_35_20180305_00038.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.52 | Rating ** | M | Issue No. | 136 |
| LM End | 12.52 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.253280 ° | 38.253280 ° |
| | | | | -121.513645 ° | -121.513645 ° |
| DWR ID | DWR_RD0003_02_s_2018_136 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Trim trees. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.54 | Rating ** | U | Issue No. | 37 |
| LM End | 12.63 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.253593 ° | 38.254590 ° |
| | | | | -121.513883 ° | -121.514862 ° |
| DWR ID | DWR_RD0003_02_s_2012_37 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense landscaping on landside shoulder and slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_37_20180305_00039.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------|
| LM Start | 12.58 | Rating ** | M | Issue No. | 991 |
| LM End | 12.58 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 38.254088 ° | 38.254088 ° | |
| | | | -121.514318 ° | -121.514318 ° | |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:40544
DS_ID:22299
EP_NO: 1376
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe abandoned and should be done so properly.
Pipe rusted through at various locations.
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 5 feet below the crown. Pump is missing from the waterside (WS) slope, and a steel plate is bolted over the end of the pipe. 42-inch concrete standpipe at the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installing a vertical unit irrigation pumping plant and a 12-inch steel discharge pipe through the levee authorized under Permit No. 1376, 1949 - Joseph Gwerder Estate). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 27.59)].
FS Date: 2/18/2014

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 12.58 | Rating ** | M | Issue No. | 991 (cont) |
| LM End | 12.58 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_40544_55694.jpg



Pipe visible on LS slope.

Photo 2 of 3 : UCIP_SP_2018_40544_55693.jpg



Steel plate bolted over pipe end on WS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 12.58 | Rating ** | M | Issue No. | 991 (cont) |
| LM End | 12.58 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.254088 ° | 38.254088 ° |
| | | | | -121.514318 ° | -121.514318 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:40544 DS_ID:22299 EP_NO: 1376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Pipe rusted through at various locations. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 5 feet below the crown. Pump is missing from the waterside (WS) slope, and a steel plate is bolted over the end of the pipe. 42-inch concrete standpipe at the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installing a vertical unit irrigation pumping plant and a 12-inch steel discharge pipe through the levee authorized under Permit No. 1376, 1949 - Joseph Gwerder Estate). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 27.59)]. FS Date: 2/18/2014 | | | | | |

Photo 3 of 3 : UCIP_SP_2018_40544_55692.jpg



Concrete standpipe on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 12.70 | Rating ** | M | Issue No. | 992 | |
| LM End | 12.70 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.255430 ° | 38.255430 ° | |
| | | | | -121.515672 ° | -121.515672 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30286 | | | | | | |
| DS_ID:22300 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Appears abandoned and if so should be done so properly. Vent broken off pipe on both shoulders. | | | | | | |
| FIELD_STRUCT_DESC: 2.5-inch steel domestic water line through the levee, invert elevation 4.2 feet below the crown. (Gwerder). 1.5-inch steel irrigation pipe sleeved through the 2.5-inch pipe to a pump house off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 27.71), galvanized iron pipe referenced]. | | | | | | |
| FS Date: 2/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30286_55689.jpg



Pipe visible on WS slope with broken vent.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 12.70 | Rating ** | M | Issue No. | 992 (cont) |
| LM End | 12.70 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_30286_55688.jpg



Pipe visible on LS slope with broken vent.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 12.70 | Rating ** | M | Issue No. | 992 (cont) | |
| LM End | 12.70 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.255430 ° | | 38.255430 ° |
| | | | | -121.515672 ° | | -121.515672 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30286 | | | | | | |
| DS_ID:22300 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Appears abandoned and if so should be done so properly. Vent broken off pipe on both shoulders. | | | | | | |
| FIELD_STRUCT_DESC: 2.5-inch steel domestic water line through the levee, invert elevation 4.2 feet below the crown. (Gwerder). 1.5-inch steel irrigation pipe sleeved through the 2.5-inch pipe to a pump house off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 27.71), galvanized iron pipe referenced]. | | | | | | |
| FS Date: 2/18/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30286_55687.jpg



Pipe visible on LS slope.

| | | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 12.73 | Rating ** | M | Issue No. | 89 | |
| LM End | 12.78 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.255769 ° | | 38.256285 ° |
| | | | | -121.516069 ° | | -121.516567 ° |
| DWR ID | DWR_RD0003_02_s_2013_89 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

No Photos

| | | | | | |
|--|--|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.87 | Rating ** | M | Issue No. | 171 |
| LM End | 12.87 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.257107 ° | 38.257107 ° |
| | | | | -121.517858 ° | -121.517858 ° |
| DWR ID | DWR_RD0003_02_f_2017_171 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Multiple century plants in front on slope of landside. | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.90 | Rating ** | M | Issue No. | 135 |
| LM End | 12.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.257427 ° | 38.257427 ° |
| | | | | -121.518329 ° | -121.518329 ° |
| DWR ID | DWR_RD0003_02_s_2018_135 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.03 | Rating ** | U | Issue No. | 82 |
| LM End | 13.06 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.258703 ° | 38.259003 ° |
| | | | | -121.520160 ° | -121.520557 ° |
| DWR ID | DWR_RD0003_02_s_2012_82 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense landscaping blocking view of landside slope and toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_82_20180305_00070.jpg



Looking west at dense landscaping on landside shoulder and slope.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.06 | Rating ** | M | Issue No. | 133 |
| LM End | 13.06 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.258962 ° | 38.258962 ° |
| | | | | -121.520385 ° | -121.520385 ° |
| DWR ID | DWR_RD0003_02_s_2017_133 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Debris and prunings at landside toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_133_20180305_00099.jpg



Looking southwest at the landside slope.

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 13.15 | Rating ** | A/W | Issue No. | 139 |
| LM End | 13.17 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.260042 ° | 38.260219 ° |
| | | | | -121.521581 ° | -121.521803 ° |
| DWR ID | DWR_RD0003_02_f_2017_139 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments Description:District station 694+80 to 695+69, Sec. 27, 1. 5 N. R. 4 E., M.D.M. Approximately 89 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. Site ID No:281 Site Designation:LMA-107 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017 Notes: | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_139_20180305_00109.jpg



38.26004, -121.52159, -24.0m, 34°
Jul 26, 2017 10:49:34 AM

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 13.15 | Rating ** | A/W | Issue No. | 139 (cont) | |
| LM End | 13.17 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.260042 ° | 38.260219 ° | |
| | | | | -121.521581 ° | -121.521803 ° | |
| DWR ID | DWR_RD0003_02_f_2017_139 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description:District station 694+80 to 695+69, Sec. 27, 1. 5 N. R. 4 E., M.D.M. Approximately 89 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. | | | | | | |
| Site ID No:281 | | | | | | |
| Site Designation:LMA-107 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Area of Concern | | | | | | |
| Field Date:7/26/2017 | | | | | | |
| Notes: | | | | | | |

Photo 2 of 3 : SP_2018_RD0003_25_139_20180305_00110.jpg



| | | | | | |
|----------|--------------|--------------|-----|------------|-------------------|
| LM Start | 13.15 | Rating ** | A/W | Issue No. | 139 (cont) |
| LM End | 13.17 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : SP_2018_RD0003_25_139_20180305_00111.jpg



| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.36 | Rating ** | M | Issue No. | 9 |
| LM End | 13.36 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.262125 ° | 38.262125 ° |
| | | | | -121.524405 ° | -121.524405 ° |
| DWR ID | DWR_RD0003_02_s_2012_9 | | | | |
| Comment Code | | | | | |
| ST : Stairway | | | | | |
| Inspector Comment | | | | | |
| Landowner installed unauthorized stairs on landside slope. No permit on record. | | | | | |

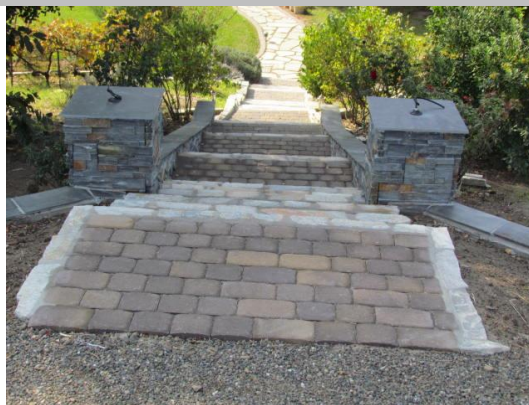
Photo 1 of 2 : SP_2018_RD0003_25_9_20180305_00011.jpg



Looking northwest at stairs on landside slope.

| | | | | | |
|----------|--------------|--------------|----|------------|-----------------|
| LM Start | 13.36 | Rating ** | M | Issue No. | 9 (cont) |
| LM End | 13.36 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_9_20180305_00012.jpg



Looking west at stairs on landside slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.39 | Rating ** | M | Issue No. | 197 |
| LM End | 15.46 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.262368 ° | 38.282965 ° |
| | | | | -121.524770 ° | -121.552285 ° |
| DWR ID | DWR_RD0003_02_s_2018_197 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.40 | Rating ** | M | Issue No. | 99 |
| LM End | 13.40 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.262449 ° | 38.262449 ° |
| | | | | -121.524899 ° | -121.524899 ° |
| DWR ID | DWR_RD0003_02_f_2015_99 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Figs trees and other plants blocking view of landside slope. | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 13.40 | Rating ** | M | Issue No. | 99 (cont) |
| LM End | 13.40 | Issue Type + | En | Location * | LS |

Photo 1 of 2 : SP_2018_RD0003_25_99_20180305_00085.jpg



Looking westly at dense vegetation on landward shoulder and slope.
(Spring 2016)

Photo 2 of 2 : SP_2018_RD0003_25_99_20180305_00086.jpg



Looking westly at fig trees on landward slope. (Fall 2016)

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 13.70 | Rating ** | M | Issue No. | 993 |
| LM End | 13.70 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.265474 ° | 38.265474 ° |
| | | | | -121.528819 ° | -121.528819 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:41585 DS_ID:22306 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel plate broken and pipe open on WS slope. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation pipe through the levee, 6 feet below the crown. (Steel plate welded on the waterside [WS] end by USACE, Unit 15, in 1969). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/18/2014 | | | | | |

Photo 1 of 3 : UCIP_SP_2018_41585_55628.jpg



Pipe visible on WS slope.

| | | | | | |
|----------|-------|--------------|----|------------|------------|
| LM Start | 13.70 | Rating ** | M | Issue No. | 993 (cont) |
| LM End | 13.70 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2018_41585_55627.jpg



Pipe open on WS slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

Reclamation District No. 0003 Grand Island

| * Location | ** Rating | + Issue Type |
|---|---|---|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enfringement |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 13.70 | Rating ** | M | Issue No. | 994 (cont) | |
| LM End | 13.70 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.265479 ° | 38.265479 ° | |
| | | | | -121.528825 ° | -121.528825 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30204 | | | | | | |
| DS_ID:22307 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Abandoned and should be done so properly as it is open on both ends. | | | | | | |
| FIELD_STRUCT_DESC: *ABANDONED* 2-inch electrical conduit of an unknown material through the levee, 5.5 feet below the crown. (Open on both ends by USACE, Unit 15, in 1969). [Additional Reference(s): DWR Levee Log, 1993]. | | | | | | |
| FS Date: 2/18/2014 | | | | | | |

Photo 2 of 3 : UCIP_SP_2018_30204_55604.jpg



Pipe visible on WS slope.

| | | | | | |
|----------|-------|--------------|----|------------|------------|
| LM Start | 13.70 | Rating ** | M | Issue No. | 994 (cont) |
| LM End | 13.70 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_30204_55603.jpg



Pipe open on both ends.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 13.73 | Rating ** | M | Issue No. | 90 |
| LM End | 13.73 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.265763 ° | 38.265763 ° | |
| | | | -121.529158 ° | -121.529158 ° | |
| DWR ID | DWR_RD0003_02_s_2013_90 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start | 13.86 | Rating ** | M | Issue No. | 169 |
| LM End | 13.86 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 38.267084 ° | 38.267084 ° | |
| | | | -121.530939 ° | -121.530939 ° | |
| DWR ID | DWR_RD0003_02_f_2017_169 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_169_20180305_00143.jpg



Looking southeast at the landside slope.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 13.88 | Rating ** | M | Issue No. | 995 |
| LM End | 13.88 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.267355 ° | 38.267355 ° |
| | | | | -121.531262 ° | -121.531262 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30203 DS_ID:22308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion next to pipe on LS slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. 14-inch pipe sleeved through the 16-inch pipe and a 1.5-inch steel electrical conduit at the same location. Slant pump on the waterside (WS) slope and a filter plant at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.6 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 28.91), referenced as invert elevation 5.6 feet below the crown]. FS Date: 2/14/2014 | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 13.88 | Rating ** | M | Issue No. | 995 (cont) |
| LM End | 13.88 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30203_55602.jpg



Pipe, vent, and electrical conduit visible on LS slope.

Photo 2 of 3 : UCIP_SP_2018_30203_55601.jpg



Erosion in foreground with pipe and filter plant in background.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 13.88 | Rating ** | M | Issue No. | 995 (cont) | |
| LM End | 13.88 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.267355 ° | 38.267355 ° | |
| | | | | -121.531262 ° | -121.531262 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30203 DS_ID:22308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion next to pipe on LS slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. 14-inch pipe sleeved through the 16-inch pipe and a 1.5-inch steel electrical conduit at the same location. Slant pump on the waterside (WS) slope and a filter plant at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.6 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 28.91), referenced as invert elevation 5.6 feet below the crown]. FS Date: 2/14/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30203_55600.jpg



Concrete headwall, pipe, and slantpump on WS slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.11 | Rating ** | M | Issue No. | 132 |
| LM End | 14.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.269472 ° | 38.269472 ° |
| | | | | -121.534365 ° | -121.534365 ° |
| DWR ID | DWR_RD0003_02_s_2018_132 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.12 | Rating ** | M | Issue No. | 50 |
| LM End | 14.15 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.269642 ° | 38.269882 ° |
| | | | | -121.534540 ° | -121.534863 ° |
| DWR ID | DWR_RD0003_02_s_2012_50 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_50_20180305_00042.jpg



Looking west at landscaping on landside slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.23 | Rating ** | C | Issue No. | 91 |
| LM End | 14.23 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.270703 ° | 38.270703 ° |
| | | | | -121.535938 ° | -121.535938 ° |
| DWR ID | DWR_RD0003_02_s_2018_91 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.36 | Rating ** | M | Issue No. | 168 |
| LM End | 14.36 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.271933 ° | 38.271933 ° |
| | | | | -121.537722 ° | -121.537722 ° |
| DWR ID | DWR_RD0003_02_f_2017_168 | | | | |
| Comment Code | | | | | |
| CR : Crops | | | | | |
| Inspector Comment | | | | | |
| Landowner has planted pear trees trees at the toe of the levee. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_168_20180305_00142.jpg



Looking northwest at the landside slope.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.44 | Rating ** | M | Issue No. | 126 |
| LM End | 14.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.272836 ° | 38.272836 ° |
| | | | | -121.538802 ° | -121.538802 ° |
| DWR ID | DWR_RD0003_02_s_2018_126 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 14.49 | Rating ** | U | Issue No. | 996 | |
| LM End | 14.49 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.273322 ° | 38.273322 ° | |
| | | | | -121.539311 ° | -121.539311 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50188 | | | | | | |
| DS_ID:24791 | | | | | | |
| EP_NO: 15814 | | | | | | |
| Repair Type: Urgent | | | | | | |
| Crossing Status: Indicator Found | | | | | | |
| UCIP Comments: 07/06/2016 No markers found, only a communications marker down Leary Rd. (DWR UCIP - kfazel)02/14/2014 Signs should be installed on levee to indicate presence of gasline. (DWR UCIP - pamatya) | | | | | | |
| FIELD_STRUCT_DESC: 4.5-inch steel natural gas pipeline under both levees and the Sacramento River, 60.5 feet below the crown. (Plans to bore a 4.5-inch gas pipeline under both levees and the Sacramento River authorized under Permit No. 15814, 1991 - Benton Oil and Gas Company [Petroleum Properties Corporation]. Drawings available in permit). | | | | | | |
| FS Date: 7/6/2016 | | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.69 | Rating ** | U | Issue No. | 72 |
| LM End | 14.84 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.275256 ° | 38.276857 ° |
| | | | | -121.542099 ° | -121.543988 ° |
| DWR ID | DWR_RD0003_02_s_2012_72 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 14.69 | Rating ** | U | Issue No. | 72 (cont) |
| LM End | 14.84 | Issue Type + | En | Location * | LS |

Photo 1 of 2 : SP_2018_RD0003_25_72_20180305_00056.jpg



Looking westly at dense landscaping on landward shoulder and slope.

Photo 2 of 2 : SP_2018_RD0003_25_72_20180305_00057.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 14.90 | Rating ** | M | Issue No. | 997 |
| LM End | 14.90 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.277619 ° | 38.277619 ° |
| | | | | -121.544705 ° | -121.544705 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30164 DS_ID:22370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel pipe of an unknown purpose through the levee, invert elevation 4.6 feet below the crown. (Green). 1.5-inch electrical conduit through the levee at the same location. Depression in-line with pump house on the waterside (WS) is a good indicator of the pipe location. 36-inch concrete standpipe at the landside (LS) toe. [DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 29.94)]. FS Date: 2/14/2014 | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 14.90 | Rating ** | M | Issue No. | 997 (cont) |
| LM End | 14.90 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30164_55565.jpg



Pumphouse on LS toe good indicator of abandoned pipe location.

Photo 2 of 3 : UCIP_SP_2018_30164_55564.jpg



Depression on WS slope and electrical conduit at approximate location of pipe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 14.90 | Rating ** | M | Issue No. | 997 (cont) | |
| LM End | 14.90 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.277619 ° | 38.277619 ° | |
| | | | | -121.544705 ° | -121.544705 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30164 DS_ID:22370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel pipe of an unknown purpose through the levee, invert elevation 4.6 feet below the crown. (Green). 1.5-inch electrical conduit through the levee at the same location. Depression in-line with pump house on the waterside (WS) is a good indicator of the pipe location. 36-inch concrete standpipe at the landside (LS) toe. [DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 29.94)]. FS Date: 2/14/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30164_55563.jpg



Original pump now used for 10-inch.

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 14.90 | Rating ** | M | Issue No. | 998 | |
| LM End | 14.90 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.277631 ° | 38.277631 ° | |
| | | | | -121.544718 ° | -121.544718 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30165 DS_ID:22369 EP_NO: 919 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 3.8 feet below the crown. Pump and gate valve in a pump house at the landside (LS) toe. 2-inch filler pipe at the same location, 3 feet below the crown. (Plans for the installation of a 10-inch, 7-gauge welded steel pipe through the levee authorized under Permit No. 919, 1943 - Dell Kercheval). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 29.94)]. FS Date: 2/14/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30165_55568.jpg



Pipe visible on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 14.90 | Rating ** | M | Issue No. | 998 (cont) |
| LM End | 14.90 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.277631 ° | 38.277631 ° |
| | | | | -121.544718 ° | -121.544718 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30165 DS_ID:22369 EP_NO: 919 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 3.8 feet below the crown. Pump and gate valve in a pump house at the landside (LS) toe. 2-inch filler pipe at the same location, 3 feet below the crown. (Plans for the installation of a 10-inch, 7-gauge welded steel pipe through the levee authorized under Permit No. 919, 1943 - Dell Kercheval). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 29.94)]. FS Date: 2/14/2014 | | | | | |

Photo 2 of 3 : UCIP_SP_2018_30165_55567.jpg



Pipe visible on WS slope and filler pipe visible.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 14.90 | Rating ** | M | Issue No. | 998 (cont) |
| LM End | 14.90 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_30165_55566.jpg



Pump and gate valve visible in pumphouse. Connection to concrete standpipe failing.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.96 | Rating ** | U | Issue No. | 53 |
| LM End | 15.02 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.278237 ° | 38.278930 ° |
| | | | | -121.545405 ° | -121.546218 ° |
| DWR ID | DWR_RD0003_02_s_2012_53 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_53_20180305_00043.jpg



Looking southeast at dense landscape on landward slope.

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 15.00 | Rating ** | A/W | Issue No. | 142 |
| LM End | 15.07 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.278806 ° | 38.279444 ° |
| | | | | -121.545817 ° | -121.546647 ° |
| DWR ID | DWR_RD0003_02_f_2017_142 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. | | | | | |
| Site ID No:282 | | | | | |
| Site Designation:LMA-108 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/28/2017 | | | | | |
| Notes: no berm | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_142_20180305_00115.jpg



| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 15.00 | Rating ** | A/W | Issue No. | 142 (cont) | |
| LM End | 15.07 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.278806 ° | 38.279444 ° | |
| | | | | -121.545817 ° | -121.546647 ° | |
| DWR ID | DWR_RD0003_02_f_2017_142 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. | | | | | | |
| Site ID No: 282 | | | | | | |
| Site Designation: LMA-108 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating: Area of Concern | | | | | | |
| Field Date: 7/28/2017 | | | | | | |
| Notes: no berm | | | | | | |

Photo 2 of 3 : SP_2018_RD0003_25_142_20180305_00116.jpg



| | | | | | |
|----------|--------------|--------------|-----|------------|-------------------|
| LM Start | 15.00 | Rating ** | A/W | Issue No. | 142 (cont) |
| LM End | 15.07 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : SP_2018_RD0003_25_142_20180305_00117.jpg



| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 15.26 | Rating ** | U | Issue No. | 999 |
| LM End | 15.26 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.281302 ° | 38.281302 ° |
| | | | | -121.549338 ° | -121.549338 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50429
DS_ID:22371
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/06/2016 Heavy vegetation prevented visibility. Per RD0003 president David Robertson, WS erosion repaired last Spring. Could not fully see any repair work done. Need to return when vegetation cleared. Appears abandoned and if so should be done properly. (DWR UCIP - K. Fazel)02/14/2014 Pipe rusted through on WS slope. Appears abandoned and should be done so properly. Erosion of WS slope under pipe on WS toe. (DWR FPIB - G. Wylie)
FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 7 feet below the crown. Slant pump next to old pump house on the waterside (WS) slope. 2-inch filler pipe at the same location. 4-foot by 8-foot concrete distribution box and standpipe at the landside (LS) toe. (Plans to replace a 12-inch steel pipe through the levee authorized under Permit No. 7082, 1974 - Pacific Fruit Farms). Permit was canceled. Original pipe remains. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 30.30)].
FS Date: 7/6/2016

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 15.26 | Rating ** | U | Issue No. | 999 (cont) |
| LM End | 15.26 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_50429_55542.jpg



Concrete distribution box on LS toe with electrical conduit visible.

Photo 2 of 3 : UCIP_SP_2018_50429_55541.jpg



Pumphouse on WS slope next to slant pump.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 15.26 | Rating ** | U | Issue No. | 999 (cont) | |
| LM End | 15.26 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.281302 ° | 38.281302 ° | |
| | | | | -121.549338 ° | -121.549338 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50429 DS_ID:22371 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Heavy vegetation prevented visibility. Per RD0003 president David Robertson, WS erosion repaired last Spring. Could not fully see any repair work done. Need to return when vegetation cleared. Appears abandoned and if so should be done properly. (DWR UCIP - K. Fazel)02/14/2014 Pipe rusted through on WS slope. Appears abandoned and should be done so properly. Erosion of WS slope under pipe on WS toe. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 7 feet below the crown. Slant pump next to old pump house on the waterside (WS) slope. 2-inch filler pipe at the same location. 4-foot by 8-foot concrete distribution box and standpipe at the landside (LS) toe. (Plans to replace a 12-inch steel pipe through the levee authorized under Permit No. 7082, 1974 - Pacific Fruit Farms). Permit was canceled. Original pipe remains. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 30.30)]. FS Date: 7/6/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_50429_55540.jpg



Slant pump on WS slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.37 | Rating ** | M | Issue No. | 134 |
| LM End | 15.37 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.282243 ° | 38.282243 ° |
| | | | | -121.550917 ° | -121.550917 ° |
| DWR ID | DWR_RD0003_02_s_2017_134 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Large fallen tree on landside slope. Large tree removed, prunings remain on slope. | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_134_20180305_00100.jpg



Looking southwest at the landside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 15.37 | Rating ** | M | Issue No. | 134 (cont) | |
| LM End | 15.37 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | Encroachments | | | 38.282243 ° | 38.282243 ° | |
| | | | | -121.550917 ° | -121.550917 ° | |
| DWR ID | DWR_RD0003_02_s_2017_134 | | | | | |
| Comment Code | | | | | | |
| PR : Prunings | | | | | | |
| Inspector Comment | | | | | | |
| Large fallen tree on landside slope. Large tree removed, prunings remain on slope. | | | | | | |

Photo 2 of 3 : SP_2018_RD0003_25_134_20180305_00101.jpg



Looking west at fallen tree at landward toe.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 15.37 | Rating ** | M | Issue No. | 134 (cont) |
| LM End | 15.37 | Issue Type + | Ma | Location * | LS |

Photo 3 of 3 : SP_2018_RD0003_25_134_20180305_00102.jpg



Looking northwest at fallen tree at landward toe.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

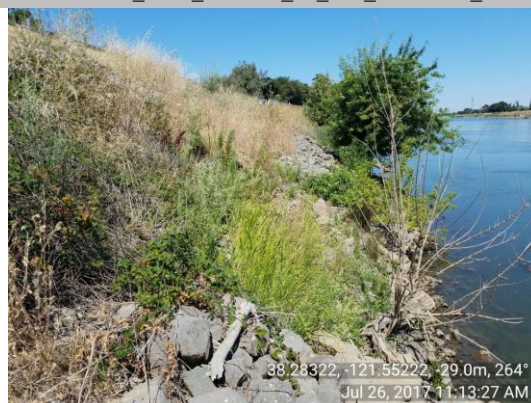
Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 15.46 | Rating ** | A/W | Issue No. | 149 |
| LM End | 15.47 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.283119 ° | 38.283172 ° |
| | | | | -121.552250 ° | -121.552347 ° |
| DWR ID | DWR_RD0003_02_f_2017_149 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 ofthe way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location. | | | | | |
| Site ID No:283 | | | | | |
| Site Designation:LMA-109 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/26/2017 | | | | | |
| Notes: | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_149_20180305_00124.jpg



| | | | | | |
|----------|--------------|--------------|-----|------------|-------------------|
| LM Start | 15.46 | Rating ** | A/W | Issue No. | 149 (cont) |
| LM End | 15.47 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : SP_2018_RD0003_25_149_20180305_00125.jpg



| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 15.46 | Rating ** | A/W | Issue No. | 149 (cont) |
| LM End | 15.47 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.283119 ° | 38.283172 ° |
| | | | | -121.552250 ° | -121.552347 ° |
| DWR ID | DWR_RD0003_02_f_2017_149 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 ofthe way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location. | | | | | |
| Site ID No:283 | | | | | |
| Site Designation:LMA-109 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/26/2017 | | | | | |
| Notes: | | | | | |

Photo 3 of 3 : SP_2018_RD0003_25_149_20180305_00126.jpg



38.2831, -121.55238, -24.0m, 99°
Jul 26, 2017 11:15:44 AM

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.47 | Rating ** | U | Issue No. | 94 |
| LM End | 15.47 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.283050 ° | 38.283050 ° |
| | | | | -121.552506 ° | -121.552506 ° |
| DWR ID | DWR_RD0003_02_s_2013_94 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense landscaping on landside slope and toe. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_94_20180305_00080.jpg



Looking northwest at landscape at landward toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

Levee Inspection Report By Mile - Spring 2018

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|-------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.58 | Rating ** | U | Issue No. | 79 |
| LM End | 15.68 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.284124 ° | 38.285129 ° |
| | | | | -121.554084 ° | -121.555342 ° |
| DWR ID | DWR_RD0003_02_s _ 2012_79 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 15.58 | Rating ** | U | Issue No. | 79 (cont) |
| LM End | 15.68 | Issue Type + | En | Location * | LS |

A photograph showing a paved road with a yellow dashed line, bordered by a dense wall of green bushes and trees. The road is in the foreground, and the vegetation is on the left side. The sky is visible in the background.

Looking northwest at dense landscaping on landside shoulder and slope.

A photograph showing a paved road curving to the left. On the right side of the road, there is a grassy shoulder with a white T-shaped marker. Behind the marker is a dense line of trees and a white fence. The road surface is dark asphalt with a white dashed line marking the edge. The sky is overcast.

Looking southeast at landscaping on levee slope and toe obstruct access and visibility.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.61 | Rating ** | U | Issue No. | 144 |
| LM End | 15.61 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.284393 ° | 38.284393 ° |
| | | | | -121.554319 ° | -121.554319 ° |
| DWR ID | DWR_RD0003_02_f_2015_144 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Prunings piled on landside slope and toe along with tree stumps. | | | | | |

A photograph showing a large pile of brush and debris in the foreground, with a field and a building visible in the background.

Looking south at prunings on landward slope. (Fall 2016)

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 15.61 | Rating ** | U | Issue No. | 144 (cont) | |
| LM End | 15.61 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.284393 ° | | 38.284393 ° |
| | | | | -121.554319 ° | | -121.554319 ° |
| DWR ID | DWR_RD0003_02_f_2015_144 | | | | | |
| Comment Code | | | | | | |
| PR : Prunings | | | | | | |
| Inspector Comment | | | | | | |
| Prunings piled on landside slope and toe along with tree stumps. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_144_20180305_00120.jpg



Looking southwest at prunings on landward slope and toe. (Spring 2016)

| | | | | | |
|--------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.70 | Rating ** | C | Issue No. | 95 |
| LM End | 15.70 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.285347 ° | 38.285347 ° |
| | | | | -121.555534 ° | -121.555534 ° |
| DWR ID | DWR_RD0003_02_s_2013_95 | | | | |
| Comment Code | | | | | |
| V7 : Trees / Woody Vegetation | | | | | |
| Inspector Comment | | | | | |
| Palm tree on landside slope and toe. | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 15.71 | Rating ** | M | Issue No. | 1000 | |
| LM End | 15.71 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.285491 ° | 38.285491 ° | |
| | | | | -121.555625 ° | -121.555625 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30084 DS_ID:22334 EP_NO: 2137 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Leak apparent at pipe connection to concrete standpipe at LS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 9 feet below the crown. Slant pump on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Filter plant at the LS toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 2137, 1955 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log, 1993, 14-inch pipe referenced, 6.5 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 30.76)]. FS Date: 2/14/2014 | | | | | | |

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 15.71 | Rating ** | M | Issue No. | 1000 (cont) |
| LM End | 15.71 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30084_55485.jpg



Concrete standpipe, filter plant, power pole and meter on LS toe.

Photo 2 of 3 : UCIP_SP_2018_30084_55484.jpg



Siphon breaker on LS shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start | 15.71 | Rating ** | M | Issue No. | 1000 (cont) | |
| LM End | 15.71 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.285491 ° | | 38.285491 ° |
| | | | | -121.555625 ° | | -121.555625 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30084 DS_ID:22334 EP_NO: 2137 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Leak apparent at pipe connection to concrete standpipe at LS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 9 feet below the crown. Slant pump on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Filter plant at the LS toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 2137, 1955 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log, 1993, 14-inch pipe referenced, 6.5 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 30.76)]. FS Date: 2/14/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30084_55483.jpg



Slant pump on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------|---------------|
| LM Start | 15.71 | Rating ** | M | Issue No. | 1001 | |
| LM End | 15.71 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.285500 ° | | 38.285500 ° |
| | | | | -121.555635 ° | | -121.555635 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30083 DS_ID:22375 EP_NO: 7356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe debris on WS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. 8-inch pipe on the landside (LS) slope. 6-inch pipe on the waterside (WS) slope. Pump and gate valve on the WS slope. (Plans to install a 6-inch pipe and pump on the WS slope of the levee authorized under Permit No. 7356, 1971 - Pacific Fruit Farms. USACE, Unit No. 15, 1969). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/14/2014 | | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 15.71 | Rating ** | M | Issue No. | 1001 (cont) |
| LM End | 15.71 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_30083_55482.jpg



Pump on WS slope next to slant pump.

Photo 2 of 3 : UCIP_SP_2018_30083_55481.jpg



Vent or Siphon Breaker in 14-inch steel riser on LS slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start | 15.71 | Rating ** | M | Issue No. | 1001 (cont) | |
| LM End | 15.71 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.285500 ° | | 38.285500 ° |
| | | | | -121.555635 ° | | -121.555635 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30083 DS_ID:22375 EP_NO: 7356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe debris on WS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. 8-inch pipe on the landside (LS) slope. 6-inch pipe on the waterside (WS) slope. Pump and gate valve on the WS slope. (Plans to install a 6-inch pipe and pump on the WS slope of the levee authorized under Permit No. 7356, 1971 - Pacific Fruit Farms. USACE, Unit No. 15, 1969). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/14/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_30083_55480.jpg



Pipe and filter plant on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.78 | Rating ** | C | Issue No. | 148 |
| LM End | 15.78 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.286222 ° | 38.286222 ° |
| | | | | -121.556537 ° | -121.556537 ° |
| DWR ID | DWR_RD0003_02_s_2016_148 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.94 | Rating ** | M | Issue No. | 124 |
| LM End | 15.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.288009 ° | 38.288009 ° |
| | | | | -121.558398 ° | -121.558398 ° |
| DWR ID | DWR_RD0003_02_s_2018_124 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Vehicle erosion on landside slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_124_20180404_00287.jpg



Vehicle erosion on landside slope should be repaired.

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 16.04 | Rating ** | M | Issue No. | 1002 | |
| LM End | 16.04 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.289098 ° | 38.289098 ° | |
| | | | | -121.559597 ° | -121.559597 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:30004 DS_ID:22376 EP_NO: 17382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tank on LS slope not listed in permit. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 10 feet below the crown. Pump and butterfly valve in a pump house at the landside (LS) toe. Siphon breaker on the waterside (WS) slope. Tank on the LS slope. (Plans to abandon in place two existing deteriorated pipes and install a 12-inch steel irrigation pipe and a 2-inch steel irrigation pipe through the crown and on the slopes of the levee authorized under Permit No. 17382, 2001 - Ferreira Estate Company, DCC Engineering Company, Inc). [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.2 feet below the crown]. FS Date: 2/14/2014 | | | | | | |

Photo 1 of 3 : UCIP_SP_2018_30004_55382.jpg



Pump in pumphouse on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 16.04 | Rating ** | M | Issue No. | 1002 (cont) |
| LM End | 16.04 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.289098 ° | 38.289098 ° |
| | | | | -121.559597 ° | -121.559597 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:30004 DS_ID:22376 EP_NO: 17382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tank on LS slope not listed in permit. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 10 feet below the crown. Pump and butterfly valve in a pump house at the landside (LS) toe. Siphon breaker on the waterside (WS) slope. Tank on the LS slope. (Plans to abandon in place two existing deteriorated pipes and install a 12-inch steel irrigation pipe and a 2-inch steel irrigation pipe through the crown and on the slopes of the levee authorized under Permit No. 17382, 2001 - Ferreira Estate Company, DCC Engineering Company, Inc). [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.2 feet below the crown]. FS Date: 2/14/2014 | | | | | |

Photo 2 of 3 : UCIP_SP_2018_30004_55381.jpg



Tank on LS slope not noted in permit.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.04 | Rating ** | M | Issue No. | 1002 (cont) |
| LM End | 16.04 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2018_30004_55380.jpg



Pipe visible on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.04 | Rating ** | M | Issue No. | 75 |
| LM End | 16.04 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.289126 ° | 38.289126 ° |
| | | | | -121.559631 ° | -121.559631 ° |
| DWR ID | DWR_RD0003_02_s_2014_75 | | | | |
| Comment Code | | | | | |
| TA : Tank | | | | | |
| Inspector Comment | | | | | |
| Tank is located next to irrigation system on landside slope. No permit for this tank was found. | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 16.04 | Rating ** | M | Issue No. | 75 (cont) |
| LM End | 16.04 | Issue Type + | En | Location * | LS |

Photo 1 of 2 : SP_2018_RD0003_25_75_20180305_00058.jpg



Looking west at tank next to pump house on landward slope.

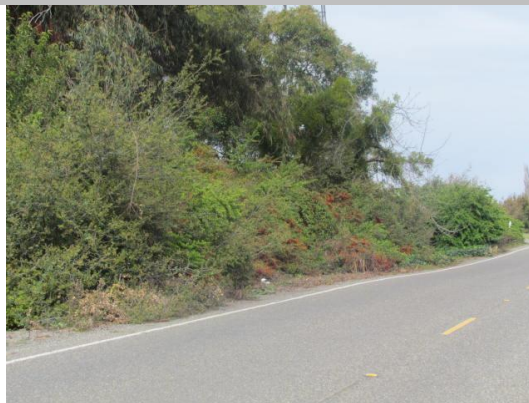
Photo 2 of 2 : SP_2018_RD0003_25_75_20180305_00059.jpg



Looking southwest at tank on landside slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.20 | Rating ** | U | Issue No. | 60 |
| LM End | 16.25 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.290742 ° | 38.291390 ° |
| | | | | -121.561575 ° | -121.562268 ° |
| DWR ID | DWR_RD0003_02_s_2012_60 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_60_20180305_00049.jpg



Looking west at dense landscaping on landside shoulder and slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 16.34 | Rating ** | M | Issue No. | 1003 |
| LM End | 16.34 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.292413 ° | 38.292413 ° |
| | | | | -121.563301 ° | -121.563301 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:29986 DS_ID:22378 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: siphon breaker on LS slope should have CMP riser protection. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 8 feet below the crown. Slant pump on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. 44-inch concrete standpipe at the LS toe. 2-inch aluminum electrical conduit through the levee at the same location as the pipe. (T. Ferreira. USACE Unit No. 6, 1967). [Additional Reference(s): DWR Levee Log, 1993, referenced as 15 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 31.39), 12-inch pipe, invert elevation 15 feet below the crown, referenced]. FS Date: 2/14/2014 | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.34 | Rating ** | M | Issue No. | 1003 (cont) |
| LM End | 16.34 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_29986_55369.jpg



Slant pump and electrical conduit on WS slope.

Photo 2 of 3 : UCIP_SP_2018_29986_55368.jpg



44-inch concrete standpipe on LS toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start | 16.34 | Rating ** | M | Issue No. | 1003 (cont) | |
| LM End | 16.34 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.292413 ° | | 38.292413 ° |
| | | | | -121.563301 ° | | -121.563301 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:29986 DS_ID:22378 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: siphon breaker on LS slope should have CMP riser protection. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 8 feet below the crown. Slant pump on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. 44-inch concrete standpipe at the LS toe. 2-inch aluminum electrical conduit through the levee at the same location as the pipe. (T. Ferreira. USACE Unit No. 6, 1967). [Additional Reference(s): DWR Levee Log, 1993, referenced as 15 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 31.39), 12-inch pipe, invert elevation 15 feet below the crown, referenced]. FS Date: 2/14/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2018_29986_55367.jpg



Siphon breaker on LS slope

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 16.47 | Rating ** | U | Issue No. | 1004 |
| LM End | 16.47 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.293883 ° | 38.293883 ° |
| | | | | -121.564784 ° | -121.564784 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50190
DS_ID:22380
EP_NO: 1075
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/06/2016 Same as last inspection. Pipe to be replaced soon via CVFPB permit. (DWR UCIP - kfazel)02/14/2014
Apparent sinkhole over pipe at crown. Appears abandoned and should be done so properly. (DWR UCIP - pamatya)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch (not 12-inch as mentioned in the desk study) steel irrigation discharge pipe through the levee, invert elevation 3.7 feet below the crown. Pump and gate valve on a pier on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. (Plans for installation of a pumping plant with a 12-inch discharge line through the levee authorized under Permit No. 1075, 1945 - R. B. Kercheval). Robert Kercheval, lindakerch@gmail.com, (916) 429-8005, with DCC Engineering Company, Inc, has applied for a replacement CVFPB permit. Contact: Emily Pappalardo, emily@dccengineering.net. [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 31.52), 8-inch pipe referenced].
FS Date: 7/6/2016 7:21:00 AM

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.47 | Rating ** | U | Issue No. | 1004 (cont) |
| LM End | 16.47 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2018_50190_55362.jpg



Pipe and pump on concrete pad on WS slope.

Photo 2 of 3 : UCIP_SP_2018_50190_55361.jpg



Apparent sinkhole over pipe at crown.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 16.47 | Rating ** | U | Issue No. | 1004 (cont) |
| LM End | 16.47 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.293883 ° | 38.293883 ° |
| | | | | -121.564784 ° | -121.564784 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50190 DS_ID:22380 EP_NO: 1075 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Same as last inspection. Pipe to be replaced soon via CVFPB permit. (DWR UCIP - kfazel)02/14/2014 Apparent sinkhole over pipe at crown. Appears abandoned and should be done so properly. (DWR UCIP - pamatya) FIELD_STRUCT_DESC: *ABANDONED* 10-inch (not 12-inch as mentioned in the desk study) steel irrigation discharge pipe through the levee, invert elevation 3.7 feet below the crown. Pump and gate valve on a pier on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. (Plans for installation of a pumping plant with a 12-inch discharge line through the levee authorized under Permit No. 1075, 1945 - R. B. Kercheval). Robert Kercheval, lindakerch@gmail.com, (916) 429-8005, with DCC Engineering Company, Inc, has applied for a replacement CVFPB permit. Contact: Emily Pappalardo, emily@dccengineering.net. [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 31.52), 8-inch pipe referenced]. FS Date: 7/6/2016 7:21:00 AM | | | | | |

Photo 3 of 3 : UCIP_SP_2018_50190_55360.jpg



Concrete standpipe and meter on pole at LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.54 | Rating ** | M | Issue No. | 166 |
| LM End | 16.54 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.294600 ° | 38.294600 ° |
| | | | | -121.565592 ° | -121.565592 ° |
| DWR ID | DWR_RD0003_02_f_2017_166 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Landowner has equipment and wood stored at toe of landside slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_166_20180305_00141.jpg



Looking southwest at the landside slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|---|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 16.54 | Rating ** | M | Issue No. | 166 (cont) | |
| LM End | 16.54 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.294600 ° | | 38.294600 ° |
| | | | | -121.565592 ° | | -121.565592 ° |
| DWR ID | DWR_RD0003_02_f_2017_166 | | | | | |
| Comment Code | | | | | | |
| EQ : Equipment | | | | | | |
| Inspector Comment | | | | | | |
| Landowner has equipment and wood stored at toe of landside slope. | | | | | | |

Photo 2 of 2 : SP_2018_RD0003_25_166_20180404_00285.jpg



Equipment at landside toe.

| | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 16.54 | Rating ** | A/W | Issue No. | 150 |
| LM End | 16.56 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.294717 ° | 38.294986 ° |
| | | | | -121.565417 ° | -121.565661 ° |
| DWR ID | DWR_RD0003_02_f_2017_150 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 873+61 to 874+83, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 122 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends beyond the rip rap. A section of rip rap has eroded away in this location. | | | | | |
| Site ID No:284 | | | | | |
| Site Designation:LMA-110 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/28/2017 | | | | | |
| Notes: no berm | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_150_20180305_00127.jpg



| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

Reclamation District No. 0003 Grand Island

A photograph of a riverbank. The foreground shows green, rippling water. A rocky shoreline separates the water from a grassy embankment. On top of the embankment is a metal railing. Behind the railing are several trees, including a tall, thin one and some larger, leafy ones. The sky is clear and blue. In the bottom right corner, there is orange text: 29.08.2018, 8:14:10, 13.42.20.

USACE 2013 Photo #1

Page 150 of 155

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.56 | Rating ** | M | Issue No. | 147 |
| LM End | 16.56 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.294809 ° | 38.294809 ° |
| | | | | -121.565765 ° | -121.565765 ° |
| DWR ID | DWR_RD0003_02_s_2016_147 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.58 | Rating ** | M | Issue No. | 77 |
| LM End | 16.60 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.295082 ° | 38.295395 ° |
| | | | | -121.566037 ° | -121.566232 ° |
| DWR ID | DWR_RD0003_02_s_2012_77 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landowner removed oleanders, but other vegetation still blocking view of landside slope and toe. | | | | | |

Photo 1 of 4 : SP_2018_RD0003_25_77_20180305_00062.jpg



Looking west at landscaping on landside shoulder and slope. (Fall 2015)

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 16.58 | Rating ** | M | Issue No. | 77 (cont) |
| LM End | 16.60 | Issue Type + | En | Location * | LS |

Photo 2 of 4 : SP_2018_RD0003_25_77_20180305_00063.jpg



Looking north at landscape on landward slope and toe. (Spring 2016)

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 16.58 | Rating ** | M | Issue No. | 77 (cont) | |
| LM End | 16.60 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.295082 ° | | 38.295395 ° |
| | | | | -121.566037 ° | | -121.566232 ° |
| DWR ID | DWR_RD0003_02_s_2012_77 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| Landowner removed oleanders, but other vegetation still blocking view of landside slope and toe. | | | | | | |

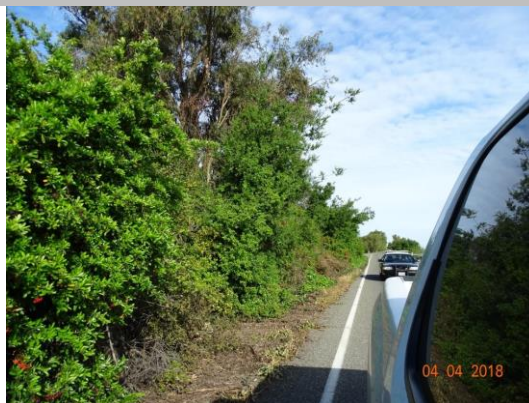
Photo 3 of 4 : SP_2018_RD0003_25_77_20180305_00064.jpg



Looking north at landscape on landward slope and toe. (Spring 2016)

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 16.58 | Rating ** | M | Issue No. | 77 (cont) |
| LM End | 16.60 | Issue Type + | En | Location * | LS |

Photo 4 of 4 : SP_2018_RD0003_25_77_20180404_00286.jpg



Dense landside landscaping.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.58 | Rating ** | M | Issue No. | 198 |
| LM End | 17.37 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.295120 ° | 38.304044 ° |
| | | | | -121.565999 ° | -121.574631 ° |
| DWR ID | DWR_RD0003_02_s_2018_198 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.60 | Rating ** | M | Issue No. | 146 |
| LM End | 16.60 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.295263 ° | 38.295263 ° |
| | | | | -121.566193 ° | -121.566193 ° |
| DWR ID | DWR_RD0003_02_s_2016_146 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Landowner install white fence on landside shoulder. No permit identified for fence. | | | | | |

Photo 1 of 2 : SP_2018_RD0003_25_146_20180305_00122.jpg



Looking northeast at new fence on landward slope.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 16.60 | Rating ** | M | Issue No. | 146 (cont) |
| LM End | 16.60 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2018_RD0003_25_146_20180305_00123.jpg



* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 16.90 | Rating ** | A/W | Issue No. | 152 |
| LM End | 16.90 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.298914 ° | 38.298997 ° |
| | | | | -121.569156 ° | -121.569217 ° |
| DWR ID | DWR_RD0003_02_f _ 2017_152 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location. | | | | | |
| Site ID No:285 | | | | | |
| Site Designation:LMA-111 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/28/2017 | | | | | |
| Notes: highway on crown | | | | | |

Photo 1 of 3 : SP_2018_RD0003_25_152_20180305_00131.jpg



| | | | | | |
|----------|--------------|--------------|-----|------------|-------------------|
| LM Start | 16.90 | Rating ** | A/W | Issue No. | 152 (cont) |
| LM End | 16.90 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : SP_2018_RD0003_25_152_20180305_00132.jpg



| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

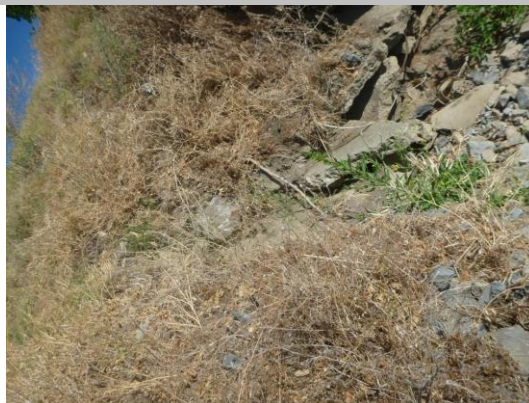
Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|---------------|
| Unit No. 02 Right Bank Sacramento River | Right | 17.35 | 04/03/2018 04/04/2018 | Keith Millard |

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 16.90 | Rating ** | A/W | Issue No. | 152 (cont) |
| LM End | 16.90 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.298914 ° | 38.298997 ° |
| | | | | -121.569156 ° | -121.569217 ° |
| DWR ID | DWR_RD0003_02_f_2017_152 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location. | | | | | |
| Site ID No:285 | | | | | |
| Site Designation:LMA-111 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:7/28/2017 | | | | | |
| Notes: highway on crown | | | | | |

Photo 3 of 3 : SP_2018_RD0003_25_152_20180305_00133.jpg



| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.97 | Rating ** | M | Issue No. | 165 |
| LM End | 16.97 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.299744 ° | 38.299744 ° |
| | | | | -121.570108 ° | -121.570108 ° |
| DWR ID | DWR_RD0003_02_f_2017_165 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Appears landowner has dug a shallow trench along toe of levee to drain water from irrigation. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_25_165_20180305_00140.jpg



Looking northwest at the landside slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Reclamation District No. 0003 Grand Island

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 03 Cross Levee | | | | 0.43 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 4/3/2018 - 4/3/2018 | | | |
| DWR Inspector | Keith Millard | | | |
| Accompanied By | David Robinson RD 3 | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Cross Levee | | 0.43 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|------------------------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | M | Issue No. | 1 |
| LM End | 0.02 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.182059 ° | 38.182059 ° |
| | | | | -121.653608 ° | -121.653608 ° |
| DWR ID | DWR_RD0003_03_f_2015_1 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Discarded pipe on waterward slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_610_1_20180305_00001.jpg



Looking at discarded pipe on waterward slope.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | M | Issue No. | 2 |
| LM End | 0.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.180780 ° | 38.180780 ° |
| | | | | -121.653585 ° | -121.653585 ° |
| DWR ID | DWR_RD0003_03_s_2018_2 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.15 | Rating ** | M | Issue No. | 5 |
| LM End | 0.18 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.180150 ° | 38.179722 ° |
| | | | | -121.653645 ° | -121.653663 ° |
| DWR ID | DWR_RD0003_03_s_2013_5 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Untrimmed trees on waterward slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_610_5_20180305_00002.jpg



Looking southeast at untrimmed trees on waterward slope and toe.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0003 Grand Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Cross Levee | | 0.43 | 04/03/2018 04/03/2018 | Keith Millard |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.25 | Rating ** | M | Issue No. | 6 |
| LM End | 0.29 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.178635 ° | 38.178037 ° |
| | | | | -121.653695 ° | -121.653715 ° |
| DWR ID | DWR_RD0003_03_s_2013_6 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Stockpile of concrete rubble and sandpile on waterward slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0003_610_6_20180305_00003.jpg



Looking east at concrete rubble and other material stored on landward shoulder and slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|